

## Appendix C.

# Statistical Methodology

---

### MAIL LIST MODEL

Classification analysis was performed to predict the probability that an addressee on the 1992 mail list operated a farm, and thereby separated the preliminary mail list into probable farm and probable nonfarm classes. The analysis was used to reduce the preliminary census mail list of 3.78 million records to a final mail list size of 3.55 million records. All 3.55 million addresses on the final mail list received a census of agriculture report form.

Records from the 1987 final census mail list were used to build a 1992 prediction model for the 1992 analysis. Classification and Regression Trees (CART) software analyzed characteristics of known 1987 farm and nonfarm operations to determine which were most useful in predicting farm and nonfarm classes. Record characteristics such as the source of the mail list record, number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. (Sources included the previous agriculture census mail list, the Internal Revenue Service administrative records, U.S. Department of Agriculture, and special commodity lists.) The proportion of 1987 census farm records in each model group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

After the model groups were defined, each address record on the 1992 preliminary mail list was assigned to a model group by matching record characteristics to model group characteristics. Records belonging to the groups with the highest farm probability were those more likely to be farms according to the classification tree methodology. The model, followed by analyst reviews, was used to remove 229,700 records from the preliminary mail list (those in model groups with the lowest farm probability), and thereby designated the 3.55 million records with the highest farm probability to receive the census report form. This procedure was used to obtain a more complete census enumeration of farm operations without excessive respondent burden and data collection cost.

### CENSUS SAMPLE DESIGN

Each of the 3.55 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample form, the screener form, and the

sample form. Sections 1 through 20 and 27 through 32 of the sample form are identical to sections on the nonsample form. The sample form, sections 21 through 26, contains additional questions on usage of fertilizers and chemicals, farm production expenditures, value of machinery and equipment, value of land and buildings, and farm-related income. The screener form is identical to the nonsample form with questions added in section 1 to allow quick identification of nonfarm addresses. These three different forms were used to reduce the response burden of the census, while providing reliable information on a large number of data items.

The sample form was mailed to all mail list records in Alaska, Hawaii, and Rhode Island, and to a sample of records in other States selected from the final mail list. Addresses were selected into the sample with certainty (1) if they were expected to have large total value of agricultural products sold or large acreage, (2) if they were multiunit operations (i.e., separate farms in more than one location), (3) if they had other special characteristics, or (4) if they were in a county with less than 100 farms in 1987. Other addresses in counties containing 100 to 199 farms in 1987 were systematically sampled at a rate of 1 in 2, and other addresses in counties containing 200 farms or more in 1987 were systematically sampled at a rate of 1 in 6. This differential sampling scheme was used to provide reliable data for the sample sections of the report form for all counties. When a nonsample large farm was identified during processing, a supplemental form that contained the additional sample data inquiries was mailed.

To determine which mail list records would receive the screener form, all mail list records not designated for the sample were sorted by model group farm probability as specified by the mail list model. The 412,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than \$25,000 were designated to receive the screener report form. The remaining mail list records received the nonsample report form.

### CENSUS ESTIMATION

The 1992 Census of Agriculture used two types of statistical estimation procedures. These estimation procedures accounted for nonresponse to the data collection and for the sample data collection. These procedures are necessary because some farm operators never respond to

the census despite numerous attempts to contact them, and the estimates for the sample data are based on a sample of farm operators rather than a full enumeration.

## Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for nonrespondent farm operators to the census. We excluded large and unique farm operations that received intensive telephone followup during census processing, assuming complete response from them. A stratified systematic sample of remaining census nonrespondents were contacted by enumerators using a computer-assisted telephone interview system. Five sample strata were defined based on expected value of sales, previous census status, and whether the record was identified by the mail list model to receive the screener report form. The nonresponse survey telephone interview was designed to provide sufficient information to determine the farm status of each record.

In situations where the nonresponse survey case could not be contacted, the contact person refused to cooperate, or when no phone number could be obtained, a screener report form was sent by certified mail.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. The number of census nonrespondents that operated farms for each county by stratum was then derived. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Certain census respondent farms which exhibited "rare" commodities were designated as "ineligible" to represent census nonrespondent farms and were excluded from the nonresponse weighting operation. The procedure explained below was performed with only the eligible respondent cases: Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The noninteger nonresponse weight is the ratio of the sum of the estimated number of nonrespondent farms from the nonresponse survey and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the calculation of the final weight for the sample items. The noninteger nonresponse weight was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items for publication.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentages in these tables are the percents of the census values contributed by nonresponse estimation. These indicate the potential for bias in published figures resulting from nonresponse to the census. The estimates provided

in these tables do not reflect the effect of item nonresponse to individual census data items. The effect of item nonresponse is discussed in the Census Nonsampling Error section.

**Table A. Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1992**

Item	Percent of total
Farms .....	11.5
Land in farms.....acres .....	6.5
Estimated market value of land and buildings <sup>1</sup> .....\$1,000 .....	4.1
Market value of agricultural products sold ..\$1,000 .....	4.3
Harvested cropland .....acres .....	5.6
Corn for grain or seed .....acres .....	5.2
Wheat for grain .....acres .....	5.8
Livestock and poultry inventory:	
Cattle and calves .....number .....	7.5
Hogs and pigs .....number .....	3.9
Hens and pullets of laying age .....number .....	.1

<sup>1</sup>Data are based on a sample of farms.

## Sample Estimation

Sample data estimates the population totals that would have resulted from a complete census for the items in sections 21 through 26 of the sample report form. The estimates were obtained from a ratio estimation procedure that resulted in the assignment of a weight to each respondent record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing over all sample records in the county.

Each respondent sample farm was assigned a sample weight for use in producing estimates for all sample items. For example, if the weight given to a sample farm had the value 6, all sample data items reported by that farm would be multiplied by 6. The weight assigned to a sample certainty farm was 1.

Other than certainty farms, within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1992 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The three sets of groups were as follows:

TVP	SIC	Acres
\$1 to \$999	01 All crops	1 to 69
\$1,000 to \$2,499	02 All livestock	70 or more
\$2,500 to \$4,999		
\$5,000 to \$9,999		
\$10,000 to \$24,999		
\$25,000 to \$49,999		
\$50,000 to \$99,999		
\$100,000 or more		

The first step in the estimation procedure was to classify the sample records into 32 mutually exclusive initial post strata formed by the three sets of groups. The total and sample farm counts were expanded to account for nonresponse. Each cell containing sample farm records was assigned an initial sample weight equal to the ratio of the total farm count to the sample farm count. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the 32 initial post strata to increase the reliability of the ratio estimation procedure. Any stratum that contained less than 10 sample farms after nonresponse adjustment or had a weight greater than two times the mail sample rate was collapsed with another stratum. The mail sample rate was either 2 or 6, depending on whether the county had a 1 in 2 or 1 in 6 sample selection rate. The collapsing occurred within the initial 32 post strata according to a specified collapsing pattern. After the collapsing process was completed, new total farm counts and sample farm counts were computed from each of the final post strata and were used to calculate final sample weights.

The final step consisted of assigning the noninteger final post stratum weight to the sample farm records in each post stratum. The weight is the ratio of total farm count to sample farm count in each final post stratum. The noninteger sample weight, the product of the noninteger final post stratum weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the farms in a particular post stratum was 7.2, then 0.2 or one-fifth of the sample farms in this post stratum were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

## CENSUS SAMPLING ERROR

The sample for the 1992 Census of Agriculture is only one of a large number of possible samples of the same size that could have been selected using the same sample design. Sample refers to the sample for both the nonresponse survey and the selection of farms to receive the sample report forms. Estimates derived from all the possible samples would differ from each other only by random variation.

The standard error or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The percent relative standard error of an estimate is defined as 100 times the standard error of the estimate divided by the value of the estimate.

If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

1. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.
2. Approximately 95 percent of the intervals from 1.96 standard errors below the estimate to 1.96 standard errors above the estimate would include the average value of all possible samples.

The following example illustrates the computations necessary for producing a confidence interval for an estimate. Assume that the estimate of number of farms for a State is 94,382 and the relative standard error of the estimate is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error; therefore, a 90-percent confidence interval is 94,227 to 94,537 (i.e., 94,382 plus or minus 1.65 x 94). If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 90 percent of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 95-percent confidence interval is 94,198 to 94,566 (i.e., 94,382 plus or minus 1.96 x 94).

Census items were classified as either complete count or sample count items. Complete count items were asked of all farm operators. Examples of complete count items were land in farms, harvested cropland, livestock inventory and sales, crop acreage, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics.

Sample count items were asked only of a sample of farm operators. These items appeared only in sections 21 through 26 of the sample report form. Sample count items were included under the following section headings: commercial fertilizers, chemicals, production expenses, farm machinery and equipment, value of land and buildings, and farm-related income.

Variability, measured as percent relative standard error, in the estimates of complete count items is due only to the nonresponse survey estimation procedure. Variability in the estimates of sample count items is due to both the nonresponse survey estimation procedure and the census sample selection and estimation procedure. Thus, variability in the sample count item estimates tends to be larger than the variability in the complete count item estimates.

Table B provides the generalized reliability estimates of the estimated number of farms in a county reporting complete count and sample count items. The top half of the table shows the percent relative standard error for estimated number of farms in a county reporting a complete count item and the bottom half a sample count item. These are derived from regression equations. Separate regression equations were used for complete count items and sample count items. Each regression equation was fit with the estimated number of farms in a county reporting an item as the independent variable and the relative variance of that estimate as the dependent variable for all counties in the State. For sample count items, only data

from counties sampled at a rate of 1 in 6 are used in the estimation of the regression equation.

**Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item or Sample Count Item: 1992**

Farms	Relative standard error of estimate (percent)
<b>COMPLETE COUNT ITEM</b>	
Number of farms reporting:	
25	5.9
50	4.1
75	3.3
100	2.9
150	2.3
200	2.0
300	1.6
500	1.1
750	.8
1,000	.7
1,500	.4
2,000	(X)
<b>SAMPLE COUNT ITEM</b>	
Number of farms reporting:	
25	27.8
50	21.4
75	18.8
100	17.3
150	15.7
200	14.8
300	13.9
500	13.2
750	12.7
1,000	12.5
1,500	12.3
2,000	(X)

To illustrate the use of this table, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 15, is 89. Since hogs and pigs is a complete count data item, refer to the first part of table B and use the estimated percent relative standard error of the estimate from the row with farm count equal to or just less than the estimated number of farms, 89. For this example, the percent relative standard error of the estimate comes from the row for 75 farms reporting. For sample count items, follow the same procedure using the second part of table B. For counties with fewer than 100 farms in the 1987 Census of Agriculture, variability in sample count item estimates comes only from nonresponse survey estimation procedures; thus, the estimated relative standard error for a sample count item in these counties may be obtained using the first part of table B.

Table C presents the percent relative standard error of selected State data items for all farms, and table D presents the percent relative standard error of selected State data items for all farms with sales of \$10,000 or more.

Table E presents the percent standard error for percent change in State totals from 1987 to 1992. The general

purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1992 and the 1987 estimate for that characteristic to the 1987 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the percent relative standard error for State and county totals for selected data items. The percent relative standard error of the estimate for the same item differs among counties in the State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

## CENSUS NONSAMPLING ERROR

The accuracy of the census counts are affected jointly by sampling errors, described in the previous section, and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form with instructions, and to minimize processing errors through the use of quality control measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error and classification error.

## Census Coverage

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the high cost and availability of resources for enumeration place restrictions on feasible data collection methodologies. The past six agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

The past five censuses of agriculture have included approximately 91 percent of farms in the United States and approximately 96 percent of agriculture production. Complete enumeration of agricultural operations satisfying the farm definition of \$1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used

by an operation, the number of operations in which an operator participates, the accuracy of data reporting, and other factors. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1992 Coverage Evaluation program will be published in volume 2, Subject Series (Part 2): Coverage Evaluation.

The evaluation of coverage for the 1992 census was designed to measure four components of error in the census mail list and in farm classification. Mail list error includes two components of error, a measurement of farms not on the census mail list (undercount) and a measurement of farms enumerated more than once in the census (overcount). Classification error includes two components of error, a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference between undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

## **Mail List Coverage**

A major problem with mail enumeration for the census of agriculture is the difficulty encountered in compiling a complete mail list. The percentage of farms included on the census mail list varies considerably by State. Several reasons have contributed to farm operator names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in any of the agriculture-related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list are small in both acres and sales of agricultural products.

The 1992 Census of Agriculture Coverage Evaluation used the area segment sample of the 1992 June Agricultural Survey (JAS) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with NASS to augment the JAS data collection. The survey data collected by NASS will be protected under the confidentiality of title 13, U.S. Code. These JAS survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list

coverage. Estimates of farms not on the census mail list are computed using a capture-recapture dual frame estimator which will be described in the Coverage Evaluation report mentioned earlier.

Table G provides coverage evaluation estimates for one component of coverage error associated with the census of agriculture; that is, the error due to farms not on the census mail list. Also provided are estimates of selected characteristics of farms not on the mail list, estimates of characteristics of farms not on the mail list as a percentage of total farms in the State, and the percent relative standard error associated with each estimate. The estimate of total farms in the State is based on census farm count plus the estimated number of farms not on the census mail list. This estimate of total farms in the State was not adjusted for the components of error associated with classification and list duplication error. Estimates of these errors will be made at the regional, rather than the State level, and will be provided in the Coverage Evaluation report mentioned earlier.

## **Respondent and Enumerator Error**

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect classification of farms. This type of reporting error is measured by the Classification Error Survey discussed later in this section. To reduce all types of reporting error, detailed instructions for completing the report form were provided to each addressee. Questions were phrased as clearly as possible based on tests of the census report form and each respondent's answers were checked for completeness and consistency.

## **Item Nonresponse**

As information flows from data collection to tabulation, various types of item nonresponses are identified on the report forms. Nonresponse to particular questions on the report form that logically should be present may create a type of nonsampling error in both complete count and sample count data. When information from reporting farms is used to edit or impute for item nonresponse, the data may be biased due to characteristics of the nonreporting respondents differing from those reporting the item. Any attempt to correct the data items may not completely reflect this difference either at the element level (individual farm operation) or on the average.

## **Processing Error**

All phases of processing for each report form are sources for the introduction of nonsampling error. The processing of the report forms includes clerical screening for farm activity, computerized check-in of report forms and follow-up of nonrespondents, keying and transmittal of

completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

## Classification Error

An evaluation study of classification errors was conducted in the 1992 Census of Agriculture as part of the census coverage evaluation program. A sample of census mail list respondents was selected, and these addresses were reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation report form and compared with the census farm status which was based on the data reported on the report form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. For the 1987 census, the classification error rate was higher for (1) farms with small values of sales, (2) farms with a small number of acres, (3) full-owner farms than part-owner or tenant farms, (4) operators with principal occupation other than farming, and (5) males than females. Results from the 1992 Classification Error Survey will be published in the Coverage Evaluation report.

## EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

The Census of Agriculture Complex Edit and Imputation System performs the following functions:

- Ensuring reasonable relationships between/among data items, values for various sizes of farms, and combinations of commodities.
- Ensuring necessary consistencies are present. There are more than 70 distinct consistency requirements.
- Ensuring geographic, legal, and physical constraints are met.

The system must perform these and similar functions for 900 data keycodes for sample records and 850 data keycodes for nonsample records.

For the 1992 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. The complex edit and imputation system provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices.

Each execution of the computer edit consisted of records from only one State. The computer records were sorted by reported State and county. For a given execution of the edit, the stored entries in the various matrices were retained in memory only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 25 percent of the reports included as farms; they were reviewed for keying accuracy to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited.

**Table C. Reliability Estimates of State Totals for All Farms: 1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)	
<b>F FARMS AND LAND IN FARMS</b>						
Farms -----	62 778	1.1				
Land in farms -----	15 618 831	.9	Total farm production expenses -----	farms --	62 772	1.2
Average size of farm -----	249	1.4	\$1,000--	\$1,000--	3 645 379	.7
<b>M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>						
Total sales (see text) -----	62 778	1.1	Average per farm -----	dollars --	58 073	1.4
\$1,000--	4 633 090	.6	Livestock and poultry purchased -----	farms --	19 087	1.7
Average per farm -----	73 801	1.3	\$1,000--	\$1,000--	328 492	1.0
Farms by value of sales:			Feed for livestock and poultry -----	farms --	31 571	1.4
Less than \$1,000 (see text) -----	farms --	4 880	\$1,000--	\$1,000--	657 193	.7
\$1,000-----		1 503	Commercially mixed formula feeds -----	farms --	14 180	1.9
\$1,000 to \$2,499 -----	farms --	6 309	\$1,000--	\$1,000--	384 061	.7
\$1,000-----		10 619	Average per farm -----	dollars --		
\$2,500 to \$4,999 -----	farms --	6 848	Seeds, bulbs, plants, and trees -----	farms --	45 911	1.4
\$1,000-----		24 746	\$1,000--	\$1,000--	203 920	.9
\$5,000 to \$9,999 -----	farms --	8 053	Commercial fertilizer -----	farms --	47 406	1.3
\$1,000-----		57 864	\$1,000--	\$1,000--	420 849	1.0
\$10,000 to \$19,999 -----	farms --	8 129	Agricultural chemicals -----	farms --	46 648	1.3
\$1,000-----		116 264	\$1,000--	\$1,000--	247 300	1.0
\$20,000 to \$24,999 -----	farms --	2 513	Petroleum products -----	farms --	59 695	1.2
\$1,000-----		55 989	\$1,000--	\$1,000--	205 728	.9
\$25,000 to \$39,999 -----	farms --	4 985	Electricity -----	farms --	45 290	1.3
\$1,000-----		157 847	\$1,000--	\$1,000--	60 628	.9
\$40,000 to \$49,999 -----	farms --	2 311	Hired farm labor -----	farms --	19 252	1.6
\$1,000-----		103 099	\$1,000--	\$1,000--	209 089	.5
\$50,000 to \$99,999 -----	farms --	6 694	Contract labor -----	farms --	4 256	3.2
\$1,000-----		480 889	\$1,000--	\$1,000--	16 567	2.3
\$100,000 to \$249,999 -----	farms --	7 661	Repair and maintenance -----	farms --	52 836	1.3
\$1,000-----		1 213 360	\$1,000--	\$1,000--	243 906	1.0
\$250,000 to \$499,999 -----	farms --	3 089	Customwork, machine hire, and rental of machinery and equipment -----	farms --	23 867	1.6
\$1,000-----		1 058 536	\$1,000--	\$1,000--	53 466	1.9
\$500,000 or more -----	farms --	1 306	Interest expense -----	farms --	32 082	1.5
\$1,000-----		1 352 375	\$1,000--	\$1,000--	290 504	1.1
Sales by commodity or commodity group:			Secured by real estate -----	farms --	23 935	1.6
Crops, including nursery and greenhouse crops -----	farms --	47 112	\$1,000--	\$1,000--	196 435	1.3
\$1,000-----		2 698 335	Not secured by real estate -----	farms --	18 104	1.8
Grains -----	farms --	40 493	\$1,000--	\$1,000--	94 068	1.3
\$1,000-----		2 470 434	Cash rent -----	farms --	17 403	1.7
Corn for grain -----	farms --	32 525	\$1,000--	\$1,000--	289 120	1.1
\$1,000-----		1 363 146	Property taxes -----	farms --	59 616	1.2
Wheat -----	farms --	12 722	\$1,000--	\$1,000--	122 746	1.1
\$1,000-----		74 752	All other farm production expenses -----	farms --	57 862	1.3
Soybeans -----	farms --	33 434	\$1,000--	\$1,000--	295 874	.8
\$1,000-----		998 773				
Sorghum for grain -----	farms --	179	<b>NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT)<sup>1</sup></b>			
\$1,000-----		2 936	All farms -----	number --	62 772	1.2
Barley -----	farms --	55	\$1,000--	\$1,000--	961 902	1.0
\$1,000-----		110	Average per farm -----	dollars --	15 324	1.6
Oats -----	farms --	1 004	Farms with net gains <sup>2</sup> -----	number --	36 058	1.4
\$1,000-----		1 505	\$1,000--	\$1,000--	1 136 197	.9
Other grains -----	farms --	725	Average net gain -----	dollars --	31 510	1.7
\$1,000-----		29 213	Farms with net losses -----	number --	26 714	1.5
Cotton and cottonseed -----	farms --	-	\$1,000--	\$1,000--	174 296	1.9
\$1,000-----		-	Average net loss -----	dollars --	6 525	2.4
Tobacco -----	farms --	2 936				
\$1,000-----		27 705	<b>GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME</b>			
Hay, silage, and field seeds -----	farms --	8 910	Government payments -----	farms --	22 390	1.2
\$1,000-----		35 421	\$1,000--	\$1,000--	159 011	.8
Vegetables, sweet corn, and melons -----	farms --	1 301	Other farm-related income <sup>1</sup> -----	farms --	14 539	1.9
\$1,000-----		37 142	\$1,000--	\$1,000--	76 097	3.0
Fruits, nuts, and berries -----	farms --	662	Customwork and other agricultural services -----	farms --	5 630	2.7
\$1,000-----		11 692	\$1,000--	\$1,000--	31 161	4.8
Nursery and greenhouse crops -----	farms --	824	Gross cash rent or share payments -----	farms --	5 796	3.1
\$1,000-----		96 016	\$1,000--	\$1,000--	33 626	4.4
Other crops -----	farms --	320	Forest products and Christmas trees -----	farms --	1 313	6.1
\$1,000-----		19 925	\$1,000--	\$1,000--	7 421	7.9
Livestock, poultry, and their products -----	farms --	34 235	Other farm-related income sources -----	farms --	3 925	3.2
\$1,000-----		1 934 755	\$1,000--	\$1,000--	3 889	5.5
Poultry and poultry products -----	farms --	1 568				
\$1,000-----		429 369	<b>COMMODITY CREDIT CORPORATION LOANS</b>			
Dairy products -----	farms --	3 427	Total -----	farms --	4 435	1.0
\$1,000-----		258 282	\$1,000--	\$1,000--	178 159	.5
Cattle and calves -----	farms --	24 215				
\$1,000-----		401 903				
Hogs and pigs -----	farms --	12 559				
\$1,000-----		817 506				
Sheep, lambs, and wool -----	farms --	2 517				
\$1,000-----		3 780				
Other livestock and livestock products (see text) -----	farms --	2 876				
\$1,000-----		23 915				
Value of agricultural products sold directly to individuals for human consumption (see text) -----	farms --	2 820				
\$1,000-----		10 893				

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-7

**Table C. Reliability Estimates of State Totals for All Farms: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)		
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland	farms--	58 117	All operators	farms--	62 778		
	acres--	13 366 034		acres--	15 618 831		
Harvested cropland	farms--	54 252	Full owners	farms--	35 868		
	acres--	11 834 675		acres--	3 775 225		
Farms by acres harvested:			Part owners	farms--	20 504		
1 to 9 acres	farms--	6 780		acres--	10 088 539		
	acres--	31 603	Tenants	farms--	6 406		
10 to 19 acres	farms--	5 790		acres--	1 755 067		
	acres--	78 674					
20 to 29 acres	farms--	4 167	<b>OWNED AND RENTED LAND</b>				
	acres--	97 843	Land owned	farms--	56 646		
30 to 49 acres	farms--	6 003		acres--	8 464 612		
	acres--	226 938	Owned land in farms	farms--	56 372		
50 to 99 acres	farms--	8 315		acres--	7 537 646		
	acres--	585 716	Land rented or leased from others	farms--	27 048		
100 to 199 acres	farms--	7 329		acres--	8 128 429		
	acres--	1 035 980	Rented or leased land in farms	landlords--	91 176		
200 to 499 acres	farms--	8 623		farms--	26 910		
	acres--	2 764 241	Rented or leased to others	farms--	8 081 185		
500 to 999 acres	farms--	4 875		acres--			
	acres--	3 393 323	Land rented or leased to others	farms--	10 055		
1,000 acres or more	farms--	2 370		acres--	974 210		
	acres--	3 620 357					
Cropland:			<b>OPERATOR CHARACTERISTICS</b>				
Pasture or grazing only	farms--	21 156	Operators by place of residence:				
	acres--	704 953	On farm operated		48 049		
Other cropland	farms--	23 826			10 715		
	acres--	826 406	Not on farm operated		4 014		
Total woodland	farms--	31 345					
	acres--	1 313 593	Operators by principal occupation:				
Pastureland and rangeland other than cropland and			Farming		31 547		
woodland pastured	farms--	11 237			31 231		
	acres--	380 995	Other				
Land in house lots, ponds, roads, wasteland, etc.	farms--	42 381	Operators by days worked off farm:				
	acres--	558 209	Any		35 397		
Irrigated land	farms--	1 742			25 237		
	acres--	240 898	200 days or more				
Acres irrigated:			Operators by sex:				
1 to 9 acres	farms--	677	Male	farms--	59 671		
	acres--	1 610		acres--	15 213 260		
10 to 49 acres	farms--	252	Female	farms--	3 107		
	acres--	5 722		acres--	405 571		
50 to 99 acres	farms--	153	Average age of operator	years--	51.6		
	acres--	10 890			1.6		
100 to 199 acres	farms--	274	Individual or family (sole proprietorship)	farms--	53 105		
	acres--	37 817		acres--	11 325 570		
200 to 499 acres	farms--	263	Partnership	farms--	6 721		
	acres--	81 117		acres--	2 528 768		
500 to 999 acres	farms--	.6	Corporation:				
	acres--	66 514	Family held	farms--	2 425		
1,000 acres or more	farms--	24		acres--	1 631 987		
	acres--	37 228	More than 10 stockholders	farms--	.4		
Harvested cropland irrigated	farms--	1 700		farms--	47		
	acres--	239 755	10 or less stockholders	farms--	2 378		
Pasture and other land irrigated	farms--	73	Other than family held	farms--	197		
	acres--	1 143		acres--	65 419		
Land under federal acreage reduction programs:			More than 10 stockholders	farms--	1.2		
Diverted under annual commodity programs	farms--	16 316		farms--	32		
	acres--	253 344	10 or less stockholders	farms--	165		
Conservation Reserve or Wetlands Reserve	farms--	4 843	Other—cooperative, estate or trust, institutional, etc.	farms--	330		
Programs	acres--	214 051		acres--	67 087		
<b>VALUE OF LAND AND BUILDINGS<sup>1</sup></b>							
Estimated market value of land and buildings	farms--	62 772	<b>HIRED FARM LABOR</b>				
\$1,000--		1.2	Hired workers by days worked:				
Average per farm	dollars--	21 731 635	150 days or more	farms--	7 516		
Average per acre	dollars--	346 199		workers--	14 909		
		1 395	Less than 150 days	farms--	17 436		
				workers--	50 425		
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>							
Estimated market value of all machinery and equipment	farms--	62 671	<b>INJURIES AND DEATHS</b>				
\$1,000--		1.2	Farm-related injuries:				
Average per farm	dollars--	3 474 495	Operator and family members	farms--	562		
Average per acre	dollars--	55 440		number--	642		
			Hired workers	farms--	269		
				number--	547		
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>							
Commercial fertilizer	farms--	47 314	Farm-related deaths:				
acres on which used--		9 303 397	Operator and family members	farms--	25		
				number--	25		
			Hired workers	farms--	2		
				number--	(D)		

See footnotes at end of table.

## C-8 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table C. Reliability Estimates of State Totals for All Farms: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
<b>F FARMS BY SIZE</b>					
			<b>LIVESTOCK</b>		
1 to 9 acres	farms -- 5 141 acres -- 21 706	1.3 1.4	Cattle and calves inventory	farms -- 25 974 number -- 1 113 473	1.1 .9
10 to 49 acres	farms -- 14 234 acres -- 387 268	1.2 1.2	Beef cows	farms -- 16 783 number -- 293 836	1.1 1.1
50 to 69 acres	farms -- 4 517 acres -- 264 473	1.2 1.2	Milk cows	farms -- 3 958 number -- 144 532	1.4 1.0
70 to 99 acres	farms -- 6 683 acres -- 548 834	1.3 1.3	Cattle and calves sold	farms -- 24 215 number -- 763 919	1.1 .8
100 to 139 acres	farms -- 5 856 acres -- 683 003	1.4 1.4	Hogs and pigs inventory	farms -- 1 111 111 number -- 4 618 663	.7 1.3
			Hogs and pigs sold	farms -- 12 559 number -- \$1,000-- 8 760 626	1.3 .6
			Sheep and lambs of all ages inventory	farms -- 2 553 number -- 72 386	1.3 1.4
140 to 179 acres	farms -- 4 212 acres -- 662 587	1.7 1.7	Sheep and lambs sold	farms -- 2 387 number -- 66 837	1.3 1.5
180 to 219 acres	farms -- 2 956 acres -- 584 162	1.7 1.7	Horses and ponies inventory	farms -- 8 391 number -- 48 112	1.2 1.3
220 to 259 acres	farms -- 2 324 acres -- 553 847	1.8 1.8	Horses and ponies sold	farms -- 2 069 number -- 6 706	1.3 1.9
260 to 499 acres	farms -- 7 648 acres -- 2 759 632	1.6 1.6			
500 to 999 acres	farms -- 6 000 acres -- 4 161 562	1.1 1.0	<b>POULTRY</b>		
			Chickens 3 months old or older inventory	farms -- 2 348 number -- 22 256 785	1.2 .2
1,000 to 1,999 acres	farms -- 2 687 acres -- 3 552 444	—	Hens and pullets of laying age	farms -- 2 289 number -- 19 288 539	1.2 .2
2,000 acres or more	farms -- 520 acres -- 1 439 313	—	Broilers and other meat-type chickens sold	farms -- 188 number -- 21 081 124	2.3 .6
<b>F FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>					
			<b>CROPS HARVESTED</b>		
Cash grains (011)	farms -- 31 045 acres -- 11 196 488	1.3 .9	Corn for grain or seed	farms -- 37 005 acres -- 5 828 308 bushels -- 805 637 216	1.2 .8 .7
Field crops, except cash grains (013)	farms -- 4 481 acres -- 408 221	1.3 1.4	Corn for silage or green chop	farms -- 4 039 acres -- 110 919	1.3 1.0
Vegetables and melons (016)	farms -- 511 acres -- 67 232	1.7 1.0	Wheat for grain	farms -- 1 944 771 acres -- 12 936	.9 1.2
Fruits and tree nuts (017)	farms -- 499 acres -- 26 960	1.8 2.2	Tobacco	farms -- 542 058 acres -- 25 048 728	1.2 .8
Horticultural specialties (018)	farms -- 655 acres -- 29 943	1.3 1.4	Oats for grain	farms -- 2 905 acres -- 41 538	1.1 1.2
General farms, primarily crop (019)	farms -- 1 235 acres -- 181 650	1.4 1.3	Soybeans for beans	farms -- 2 603 270 acres -- 17 288 225	.8 1.7
Livestock, except dairy, poultry, and animal specialties (021)	farms -- 19 200 acres -- 2 786 649	1.1 .8	Irish potatoes	farms -- 33 568 acres -- 4 729 880 bushels -- 195 049 717	2.2 .8 1.3
Dairy farms (024)	farms -- 2 247 acres -- 560 232	1.5 1.0	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms -- 24 321 acres -- 686 707	1.1 1.1
Poultry and eggs (025)	farms -- 711 acres -- 101 341	1.1 .4	Alfalfa hay	farms -- 1 712 613 acres -- 392 455	1.1 1.1
Animal specialties (027)	farms -- 1 603 acres -- 64 177	1.5 1.8	Vegetables harvested for sale (see text)	farms -- 1 128 858 acres -- 1 302	1.1 1.3
General farms, primarily livestock and animal specialties (029)	farms -- 591 acres -- 195 938	1.7 1.3	Land in orchards	farms -- 33 860 acres -- 755	1.0 1.5
					6 393
					1.4

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
<b>F FARMS AND LAND IN FARMS</b>					
Farms ----- number	36 688	1.4	Total farm production expenses ----- farms	36 641	1.4
Land in farms ----- acres	14 100 157	.9	\$1,000-----\$1,000	3 499 766	.7
Average size of farm ----- acres	384	1.6	Average per farm ----- dollars	95 515	1.6
<b>M MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD</b>					
Total sales (see text) ----- farms	36 688	1.4	Livestock and poultry purchased ----- farms	12 930	1.9
\$1,000-----\$1,000	4 538 358	.6	\$1,000-----\$1,000	317 548	1.0
Average per farm ----- dollars	123 701	1.5	Feed for livestock and poultry ----- farms	19 044	1.6
Farms by value of sales:			Commercially mixed formula feeds ----- farms	643 927	.7
\$10,000 to \$19,999 ----- farms	8 129	1.6	\$1,000-----\$1,000	9 642	2.0
\$1,000-----\$1,000	116 264	1.6	Seeds, bulbs, plants, and trees ----- farms	380 567	.7
\$20,000 to \$24,999 ----- farms	2 513	1.9	\$1,000-----\$1,000	33 161	1.5
\$1,000-----\$1,000	55 989	1.9	Commercial fertilizer ----- farms	198 562	.9
\$25,000 to \$39,999 ----- farms	4 985	1.9	\$1,000-----\$1,000	32 679	1.5
\$1,000-----\$1,000	157 847	1.9	Agricultural chemicals ----- farms	408 493	1.0
\$40,000 to \$49,999 ----- farms	2 311	2.0	\$1,000-----\$1,000	31 924	1.5
\$1,000-----\$1,000	103 099	2.0	Petroleum products ----- farms	239 876	1.0
\$50,000 to \$99,999 ----- farms	6 694	1.9	\$1,000-----\$1,000	36 060	1.4
\$1,000-----\$1,000	480 889	1.8	Electricity ----- farms	195 088	.9
\$100,000 to \$249,999 ----- farms	7 661	1.2	\$1,000-----\$1,000	30 786	1.4
\$1,000-----\$1,000	1 213 360	1.0	Contract labor ----- farms	56 612	.9
\$250,000 to \$499,999 ----- farms	3 089	—	\$1,000-----\$1,000	14 724	1.7
\$1,000-----\$1,000	1 058 536	—	Hired farm labor ----- farms	206 683	.5
\$500,000 or more ----- farms	1 306	—	\$1,000-----\$1,000	3 044	3.3
\$1,000-----\$1,000	1 352 375	—	\$1,000-----\$1,000	15 842	2.3
Sales by commodity or commodity group:			Repair and maintenance ----- farms	33 870	1.4
Crops, including nursery and greenhouse crops ----- farms	32 307	1.4	\$1,000-----\$1,000	225 646	1.0
\$1,000-----\$1,000	2 644 549	.7	Customwork, machine hire, and rental of machinery and equipment ----- farms	16 071	1.8
Grains ----- farms	30 376	1.4	\$1,000-----\$1,000	49 547	2.0
\$1,000-----\$1,000	2 431 911	.7	Interest expense ----- farms	23 794	1.5
Corn for grain ----- farms	26 549	1.4	\$1,000-----\$1,000	271 062	1.1
\$1,000-----\$1,000	1 345 495	.7	Secured by real estate ----- farms	17 279	1.6
Wheat ----- farms	11 182	1.2	\$1,000-----\$1,000	179 384	1.3
\$1,000-----\$1,000	72 731	.8	Not secured by real estate ----- farms	15 138	1.8
Soybeans ----- farms	27 209	1.4	\$1,000-----\$1,000	91 679	1.3
\$1,000-----\$1,000	980 180	.8	Customrent ----- farms	15 292	1.7
Sorghum for grain ----- farms	158	1.8	\$1,000-----\$1,000	286 988	1.1
\$1,000-----\$1,000	2 899	1.0	Property taxes ----- farms	34 843	1.4
Barley ----- farms	50	3.5	\$1,000-----\$1,000	102 105	1.1
\$1,000-----\$1,000	107	3.3	All other farm production expenses ----- farms	36 640	1.4
Oats ----- farms	821	1.4	\$1,000-----\$1,000	281 787	.8
\$1,000-----\$1,000	1 363	1.3	NET CASH RETURN FROM AGRICULTURAL SALES FOR THE FARM UNIT (SEE TEXT) <sup>1</sup>		
Other grains ----- farms	678	1.1	All farms ----- number	36 641	1.4
\$1,000-----\$1,000	29 135	.6	\$1,000-----\$1,000	1 013 129	1.0
Cotton and cottonseed ----- farms	—	—	Average per farm ----- dollars	27 650	1.7
\$1,000-----\$1,000	—	—	Farms with net gains <sup>2</sup> ----- number	27 664	1.5
Tobacco ----- farms	1 434	1.8	\$1,000-----\$1,000	1 120 776	.9
\$1,000-----\$1,000	22 603	2.0	dollars	40 514	1.8
Hay, silage, and field seeds ----- farms	4 868	1.4	Average net gain ----- dollars	—	—
\$1,000-----\$1,000	27 981	1.4	Farms with net losses ----- number	8 977	2.5
Vegetables, sweet corn, and melons ----- farms	845	1.6	\$1,000-----\$1,000	107 647	2.4
\$1,000-----\$1,000	36 187	.8	dollars	11 991	3.4
Fruits, nuts, and berries ----- farms	306	1.9	Average net loss ----- dollars	—	—
\$1,000-----\$1,000	11 081	1.4	GOVERNMENT PAYMENTS AND OTHER FARM-RELATED INCOME		
Nursery and greenhouse crops ----- farms	515	1.3	Government payments ----- farms	18 068	1.3
\$1,000-----\$1,000	95 017	.3	\$1,000-----\$1,000	149 637	.7
Other crops ----- farms	231	1.8	Other farm-related income <sup>1</sup> ----- farms	9 333	2.2
\$1,000-----\$1,000	19 769	.6	\$1,000-----\$1,000	59 004	3.5
Livestock, poultry, and their products ----- farms	20 880	1.3	Customwork and other agricultural services ----- farms	4 503	2.9
\$1,000-----\$1,000	1 893 810	.5	\$1,000-----\$1,000	28 596	5.1
Poultry and poultry products ----- farms	1 003	1.2	Gross cash rent or share payments ----- farms	2 470	4.4
\$1,000-----\$1,000	429 053	.1	\$1,000-----\$1,000	21 787	5.9
Dairy products ----- farms	3 249	1.4	Forest products and Christmas trees ----- farms	747	7.7
\$1,000-----\$1,000	257 646	.9	\$1,000-----\$1,000	5 202	9.0
Cattle and calves ----- farms	14 457	1.3	Other farm-related income sources ----- farms	3 317	3.3
\$1,000-----\$1,000	372 573	.7	\$1,000-----\$1,000	3 418	5.1
Hogs and pigs ----- farms	10 165	1.3	COMMODITY CREDIT CORPORATION LOANS		
\$1,000-----\$1,000	810 722	.6	Total ----- farms	4 270	1.0
Sheep, lambs, and wool ----- farms	1 237	1.6	\$1,000-----\$1,000	177 893	.5
\$1,000-----\$1,000	2 616	1.9	Value of agricultural products sold directly to individuals for human consumption (see text) ----- farms	—	—
Other livestock and livestock products (see text) ----- farms	1 205	1.6		—	—
\$1,000-----\$1,000	21 200	.8		—	—

See footnotes at end of table.

## C-10 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)		
<b>LAND IN FARMS ACCORDING TO USE</b>							
Total cropland	farms--	35 271	1.4	Individual or family (sole proprietorship) farms--	29 267	1.4	
	acres--	12 532 832	.8	acres--	9 968 180	.9	
Harvested cropland	farms--	34 488	1.4	Partnership--	4 932	1.8	
	acres--	11 397 940	.8	acres--	2 410 549	1.0	
Cropland:				Corporation:			
Pasture or grazing only	farms--	11 693	1.4	Family held	2 175	.9	
	acres--	487 631	1.3	More than 10 stockholders	1 602 979	.4	
Total woodland	farms--	18 657	1.3	10 or less stockholders	41	2.5	
	acres--	902 240	1.1	Other than family held	2 134	.9	
Pastureland and rangeland other than cropland and				More than 10 stockholders	152	2.0	
woodland pastured	farms--	5 814	1.3	10 or less stockholders	62 026	1.2	
	acres--	250 993	1.1	Other	24	3.9	
Land in house lots, ponds, roads, wasteland, etc.	farms--	24 292	1.3	10 or less stockholders	128	2.2	
	acres--	414 092	1.0	Other—cooperative, estate or trust, institutional, etc.	162	2.6	
Irrigated land	farms--	1 405	1.0	10 or less stockholders	56 423	1.5	
	acres--	238 864	.6				
Harvested cropland irrigated	farms--	1 385	1.0				
	acres--	238 206	.6				
Pasture and other land irrigated	farms--	42	3.2				
	acres--	658	7.3				
Land under federal acreage reduction programs:				Hired workers by days worked:			
Diverted under annual commodity programs	farms--	15 164	1.2	150 days or more	6 111	23.2	
	acres--	250 970	.7	Less than 150 days	13 465	12.6	
Conservation Reserve or Wetlands Reserve	farms--	2 939	1.4		12 930	39.1	
Programs	acres--	132 416	1.3		40 654	30.0	
<b>VALUE OF LAND AND BUILDINGS<sup>1</sup></b>							
Estimated market value of land and buildings	farms--	36 641	1.4	<b>INJURIES AND DEATHS</b>			
\$1,000--		19 151 304	1.0				
Average per farm	dollars--	522 674	1.7	Farm-related injuries:			
Average per acre	dollars--	1 363	1.3	Operator and family members	442	1.7	
<b>VALUE OF MACHINERY AND EQUIPMENT<sup>1</sup></b>					number--	498	1.8
Estimated market value of all machinery and	farms--	36 631	1.4	Hired workers	244	.9	
equipment	\$1,000--	2 987 990	1.1		number--	520	.5
Average per farm	dollars--	81 570	1.8	<b>FARMERS BY SIZE</b>			
<b>AGRICULTURAL CHEMICALS<sup>1</sup></b>							
Commercial fertilizer	farms--	32 645	1.5	1 to 9 acres	1 382	1.9	
acres on which used--		8 992 610	.9	10 to 49 acres	2 436	1.7	
<b>TENURE OF OPERATOR</b>							
All operators	farms--	36 688	1.4	50 to 69 acres	1 502	1.7	
	acres--	14 100 157	.9	70 to 99 acres	3 455	1.6	
Full owners	farms--	14 447	1.5	100 to 139 acres	3 780	1.7	
	acres--	2 550 627	1.3	140 to 179 acres	3 232	1.8	
Part owners	farms--	17 583	1.1	180 to 219 acres	2 482	1.8	
	acres--	9 867 991	.6	220 to 259 acres	2 058	1.9	
Tenants	farms--	4 658	2.3	260 to 499 acres	7 230	1.6	
	acres--	1 681 539	1.6	500 to 999 acres	5 937	1.1	
<b>OWNED AND RENTED LAND</b>							
Land owned	farms--	32 221	1.3	1,000 to 1,999 acres	2 674	—	
	acres--	6 757 977	1.0	2,000 acres or more	520	—	
Owned land in farms	farms--	32 030	1.3	<b>FARMS BY STANDARD INDUSTRIAL CLASSIFICATION</b>			
	acres--	6 199 304	1.0				
Land rented or leased from others	farms--	22 304	1.3	Cash grains (011)	22 613	1.4	
	acres--	7 936 693	.8	Field crops, except cash grains (013)	1 079	1.9	
Rented or leased land in farms	landlords--	83 632	1.0	Vegetables and melons (016)	253	2.1	
	farms--	22 241	1.3	Fruits and tree nuts (017)	141	2.5	
Land rented or leased to others	farms--	4 251	1.4	Horticultural specialties (018)	416	1.3	
	acres--	594 513	1.4	General farms, primarily crop (019)	403	1.9	
<b>OPERATOR CHARACTERISTICS</b>							
Operators by place of residence:				Livestock, except dairy, poultry, and animal specialties (021)	8 586	1.4	
On farm operated		28 654	1.3	Dairy farms (024)	2 136	1.5	
Not on farm operated		6 005	2.0	Poultry and eggs (025)	564	1.0	
Not reported		2 029	1.3	Animal specialties (027)	173	2.6	
Operators by principal occupation:				General farms, primarily livestock and animal specialties (029)	324	1.8	
Farming		24 717	1.2	<b>LIVESTOCK</b>			
Other		11 971	1.8	Cattle and calves inventory	14 649	1.3	
Operators by days worked off farm:					number--	935 989	1.0
Any		17 305	1.7	Beef cows	8 324	1.4	
200 days or more		10 562	1.8	Milk cows	209 871	1.2	
Operators by sex:					number--	3 439	1.5
Male		35 506	1.4	Cattle and calves sold	14 457	1.3	
Female		1 182	1.7		number--	691 098	.8
Average age of operator	years--	50.6	1.9	Hogs and pigs inventory	\$1,000--	372 573	.7

See footnotes at end of table.

**Table D. Reliability Estimates of State Totals for Farms With Sales of \$10,000 or More:  
1992—Con.**

[For meaning of abbreviations and symbols, see introductory text]

Item	Total	Relative standard error of estimate (percent)	Item	Total	Relative standard error of estimate (percent)
<b>POULTRY</b>					
Chickens 3 months old or older inventory	farms --	1 048	Oats for grain	farms --	2 415
	number--	22 218 572		acres--	37 379
Hens and pullets of laying age	farms --	1 005	Tobacco	bushels--	2 395 652
	number--	19 256 573		farms--	1 437
Broilers and other meat-type chickens sold	farms --	129	Soybeans for beans	acres--	70 359
	number--	21 074 949		pounds--	13 963 852
<b>CROPS HARVESTED</b>					
Corn for grain or seed	farms --	29 982	Irish potatoes	farms --	27 251
	acres--	5 713 094		acres--	4 602 613
	bushels--	793 787 931		bushels--	190 984 613
Corn for silage or green chop	farms --	3 718		farms --	120
	acres--	107 666		acres--	3 983
	tons, green--	1 895 998		cwt--	1 032 450
Wheat for grain	farms --	11 297	Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	farms --	13 872
	acres--	520 806		acres--	513 799
	bushels--	24 292 951	Alfalfa hay	tons, dry--	1 405 441
				farms --	10 620
				acres--	309 574
				tons, dry--	961 073
				farms --	846
				acres--	32 632
				farms --	220
				acres--	4 846
					1.7

<sup>1</sup>Data are based on a sample of farms.

<sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains of less than \$1,000.

**Table E. Reliability Estimates of Percent Change in State Totals: 1987 to 1992**

[For meaning of abbreviations and symbols, see introductory text]

Item	All farms		Farms with sales of \$10,000 or more	
	Percent change from 1987 to 1992	Standard error of estimate	Percent change from 1987 to 1992	Standard error of estimate
Farms-----	-11.0	1.2	-9.4	1.4
Land in farms -----	-3.4	.9	-1.9	.9
Average size of farm -----	8.7	1.8	8.2	1.9
Estimated market value of land and buildings <sup>1</sup> :				
Average per farm -----	dollars --	30.4	2.3	29.9
Average per acre -----	dollars --	20.5	1.9	20.2
Estimated market value of all machinery and equipment <sup>1</sup> :				
Average per farm -----	dollars --	24.6	2.3	20.6
Farms by size:				
1 to 9 acres -----		-5.6	1.6	-8.1
10 to 49 acres -----		-5.2	1.4	11.8
50 to 179 acres -----		-14.6	1.3	-7.7
180 to 499 acres -----		-18.7	1.5	-19.6
500 to 999 acres -----		-10.0	1.0	-10.2
1,000 to 1,999 acres -----		17.3	-	17.1
2,000 acres or more -----		75.1	-	75.1
Total cropland -----	farms--	-11.3	1.2	-9.4
	acres--	-1.7	.9	-2
Harvested cropland -----	farms--	-12.1	1.1	-9.8
	acres--	10.5	1.0	12.6
Irrigated land -----	farms--	17.6	1.4	19.5
	acres--	42.0	1.1	42.9
Market value of agricultural products sold -----	\$1,000 --	13.9	.8	14.7
Average per farm -----	dollars --	27.9	1.9	26.6
Crops, including nursery and greenhouse crops -----	\$1,000 --	26.9	1.0	28.3
Livestock, poultry, and their products -----	\$1,000 --	-.3	.6	-.6
Farms by value of sales:				
Less than \$2,500 -----		-10.0	1.2	(X)
\$2,500 to \$4,999 -----		-15.2	1.3	(X)
\$5,000 to \$9,999 -----		-15.4	1.3	(X)
\$10,000 to \$24,999 -----		-17.0	1.5	-17.0
\$25,000 to \$49,999 -----		-16.0	1.7	-16.0
\$50,000 to \$99,999 -----		-16.6	1.7	-16.6
\$100,000 to \$249,999 -----		-1.9	1.2	-1.9
\$250,000 to \$499,999 -----		33.5	(L)	33.5
\$500,000 or more -----		57.9	-	57.9
Total farm production expenses <sup>1</sup> -----	\$1,000--	14.7	1.4	15.7
Average per farm -----	dollars --	28.8	2.0	27.6
Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup> -----	farms--	-11.0	1.2	-9.4
	\$1,000--	8.9	1.4	9.7
Average per farm -----	dollars --	22.3	2.2	21.0
Operators by principal occupation:				
Farming -----		-13.9	1.1	-12.8
Other -----		-7.7	1.3	-1.4
Operators by days worked off farm:				
Any -----		-13.0	4.5	-11.0
200 days or more -----		-10.4	4.6	-4.9
Livestock and poultry:				
Cattle and calves inventory -----	farms--	-14.4	1.1	-14.0
	number--	-9.9	.9	-10.2
Beef cows -----	farms--	-12.4	1.1	-9.4
	number--	-7.0	1.2	-6.3
Milk cows -----	farms--	-23.9	1.2	-21.3
	number--	-11.8	1.0	-11.1
Cattle and calves sold -----	farms--	-16.2	1.1	-14.9
	number--	-13.4	.7	-12.5
Hogs and pigs inventory -----	farms--	-19.2	1.1	-19.1
	number--	5.6	.7	5.7
Hogs and pigs sold -----	farms--	-18.8	1.1	-19.0
	number--	9.2	.8	9.3
Sheep and lambs inventory -----	farms--	-15.1	1.3	-17.7
	number--	-12.5	1.5	-10.5
Chickens 3 months old or older inventory -----	farms--	-36.8	.9	-40.1
	number--	-16.9	.2	-16.9
Broilers and other meat-type chickens sold -----	farms--	-39.5	1.7	-30.6
	number--	-5.5	.8	-5.4
Selected crops harvested:				
Corn for grain or seed -----	farms--	-18.5	1.1	-13.1
	acres--	19.3	1.0	21.3
	bushels--	30.1	1.1	31.8
Corn for silage or green chop -----	farms--	-14.2	1.2	-15.3
	acres--	-1.7	1.1	-1.7
	tons, green--	-.8	1.0	-.9
Wheat for grain -----	farms--	-29.3	.9	-26.2
	acres--	-8.3	.9	-6.2
	bushels--	-18.6	.7	-16.9
Oats for grain -----	farms--	-41.7	.8	-40.2
	acres--	-39.9	.8	-37.3
	bushels--	-39.7	.8	-37.9
Soybeans for beans -----	farms--	-16.2	1.2	-11.7
	acres--	7.6	1.0	9.5
	bushels--	14.9	1.0	16.5
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text) -----	farms--	-10.1	1.1	-10.7
	acres--	-4.7	1.2	-4.8
	tons, dry--	-.9	1.1	-9.2
Vegetables harvested for sale (see text) -----	farms--	8.2	1.7	10.2
	acres--	2.8	1.3	4.0

<sup>1</sup>Data are based on a sample of farms.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-13

**Table F. Reliability Estimates for the State and County Totals: 1992**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Indiana -----</b>	<b>62 778</b>	<b>1.1</b>	<b>15 618 831</b>	<b>.9</b>	<b>249</b>	<b>1.4</b>	<b>346 199</b>	<b>1.5</b>	<b>3 474 495</b>	<b>1.1</b>
Adams -----	1 102	1.4	197 724	1.1	179	1.8	319 426	3.9	58 666	4.7
Allen -----	1 463	1.4	285 730	1.2	195	1.8	369 693	4.2	84 201	4.4
Bartholomew -----	645	1.0	165 091	1.0	256	1.4	423 504	3.8	33 023	4.5
Benton -----	500	1.5	270 618	1.1	541	1.9	907 086	3.2	52 779	5.7
Blackford -----	273	1.2	87 329	1.3	320	1.7	303 323	2.9	14 873	4.7
Boone -----	711	1.0	223 429	.7	314	1.2	580 331	3.2	45 438	5.6
Brown -----	168	.9	22 555	2.0	134	2.1	149 032	8.9	3 045	10.6
Carroll -----	659	1.0	220 057	.7	334	1.2	582 289	3.3	59 331	6.7
Cass -----	804	1.1	227 711	.8	283	1.4	405 118	3.5	57 259	3.6
Clark -----	641	.9	105 658	1.0	165	1.3	210 530	3.6	22 647	7.7
Clay -----	568	1.4	162 433	1.4	286	2.0	318 388	4.7	35 270	7.6
Clinton -----	675	1.0	236 073	.7	350	1.3	551 078	2.9	53 737	2.9
Crawford -----	382	1.0	59 734	1.5	156	1.8	135 992	9.3	9 526	6.7
Daviess -----	1 181	1.3	222 435	1.1	188	1.7	261 766	3.7	55 494	4.3
Dearborn -----	738	.8	86 236	1.2	117	1.5	169 215	7.8	16 765	8.5
Decatur -----	731	1.4	202 429	1.1	277	1.8	427 658	3.3	48 087	4.2
De Kalb -----	671	1.1	153 213	1.0	228	1.5	257 222	4.5	32 866	4.5
Delaware -----	688	.9	169 265	.9	246	1.3	324 408	3.8	36 262	4.8
Dubois -----	923	1.0	193 381	.9	210	1.3	273 979	4.5	50 020	3.3
Elskhart -----	1 447	1.3	192 311	1.3	133	1.8	274 829	5.9	57 873	5.5
Fayette -----	456	1.7	111 500	1.9	245	2.5	297 015	7.2	20 401	8.7
Floyd -----	336	.7	29 837	1.8	89	1.9	169 661	7.1	5 766	10.3
Fountain -----	633	1.4	229 097	1.2	362	1.9	477 249	4.9	39 061	6.5
Franklin -----	849	.9	148 662	1.2	175	1.5	215 571	6.3	26 948	5.5
Fulton -----	690	1.9	194 312	1.3	282	2.3	303 298	3.1	44 297	5.5
Gibson -----	720	1.0	241 049	.8	335	1.3	497 443	4.5	61 551	6.9
Grant -----	630	1.0	196 537	.8	312	1.3	468 602	2.7	49 356	3.7
Greene -----	958	1.0	207 766	1.2	217	1.6	246 842	4.6	34 385	4.4
Hamilton -----	648	1.2	162 670	1.1	251	1.6	532 188	4.5	37 737	5.0
Hancock -----	625	1.4	163 248	1.0	261	1.7	461 584	4.2	41 360	4.6
Harrison -----	1 167	.9	161 745	1.1	139	1.4	169 976	5.0	36 054	4.8
Hendricks -----	792	1.3	187 079	1.2	236	1.8	425 318	3.8	36 216	3.7
Henry -----	848	1.2	190 798	1.3	225	1.8	280 470	3.9	39 961	4.3
Howard -----	566	1.1	148 609	1.0	263	1.5	499 054	5.2	40 499	4.9
Huntington -----	704	.9	187 955	1.0	267	1.3	409 608	4.9	51 766	7.6
Jackson -----	851	1.3	202 896	1.2	238	1.8	325 206	5.3	47 175	4.7
Jasper -----	716	1.3	301 962	1.0	422	1.7	501 386	3.0	61 549	4.0
Jay -----	852	1.4	182 836	1.3	215	1.8	255 920	5.1	41 137	4.5
Jefferson -----	914	1.7	130 826	1.8	143	2.5	147 448	4.5	27 284	6.6
Jennings -----	658	1.3	124 694	1.4	190	2.0	231 119	6.0	25 404	5.1
Johnson -----	586	1.3	139 638	1.1	238	1.7	419 365	4.2	32 967	4.7
Knox -----	688	1.2	305 634	.7	444	1.4	533 969	2.8	56 991	4.3
Kosciusko -----	1 123	.8	251 603	.7	224	1.1	303 002	4.6	72 973	3.2
Lagrange -----	1 391	1.0	187 549	.9	135	1.4	214 776	4.2	53 600	5.6
Lake -----	482	1.0	144 305	1.0	299	1.4	443 124	4.0	32 019	6.3
La Porte -----	826	1.2	267 695	.9	324	1.5	426 676	3.1	58 963	4.6
Lawrence -----	849	1.1	158 788	1.3	187	1.7	154 213	5.8	26 612	7.0
Madison -----	848	.8	223 328	.7	263	1.1	429 855	3.8	54 938	4.6
Marion -----	276	1.1	38 783	2.2	141	2.5	406 518	10.3	14 387	10.3
Marshall -----	956	1.4	219 402	1.2	230	1.9	259 993	3.9	53 224	5.2
Martin -----	375	1.6	71 596	1.7	191	2.3	195 235	7.8	15 141	9.5
Miami -----	771	1.2	188 843	1.1	245	1.6	337 370	3.6	48 887	6.7
Monroe -----	508	1.0	59 282	1.6	117	1.9	178 717	7.5	9 736	9.3
Montgomery -----	762	.9	282 764	.7	371	1.2	494 844	2.7	58 690	4.8
Morgan -----	647	1.3	139 523	1.2	216	1.8	311 038	5.0	28 555	5.6
Newton -----	390	1.1	206 885	.7	530	1.3	690 687	3.7	42 191	5.4
Noble -----	993	1.3	184 118	1.6	185	2.1	209 142	3.6	43 266	4.9
Ohio -----	267	1.3	32 318	1.8	121	2.2	131 652	9.0	5 726	9.8
Orange -----	524	1.3	116 068	1.7	222	2.1	185 018	5.7	16 977	5.5
Owen -----	622	1.1	113 129	1.5	182	1.8	195 950	8.3	16 215	9.8
Parke -----	491	1.4	181 653	.9	370	1.7	404 656	3.2	32 302	6.7
Perry -----	486	.8	80 078	1.2	165	1.5	175 500	11.0	14 951	7.4
Pike -----	309	.9	85 366	1.1	276	1.4	246 413	9.7	13 813	11.3
Porter -----	496	1.3	142 482	1.4	287	1.9	457 425	4.4	32 321	5.9
Posey -----	491	1.0	220 959	.7	450	1.2	614 087	3.5	53 386	5.9
Pulaski -----	630	1.0	242 777	.8	385	1.3	477 271	3.9	50 961	3.2
Putnam -----	826	1.0	204 165	.9	247	1.3	295 796	4.5	34 371	4.2
Randolph -----	936	1.3	236 436	1.2	253	1.7	275 881	4.2	51 981	5.4
Ripley -----	963	1.2	164 025	1.3	170	1.8	190 475	4.3	35 183	5.0
Rush -----	761	2.2	233 183	1.7	306	2.7	445 245	4.2	54 502	4.3
St. Joseph -----	768	1.1	172 348	1.0	224	1.5	374 128	6.3	42 992	4.6
Scott -----	357	.9	63 332	1.3	177	1.6	178 603	7.9	9 179	11.1
Shelby -----	749	1.3	217 288	1.1	290	1.7	480 015	2.9	54 502	4.7
Spencer -----	730	1.4	175 124	1.3	240	1.9	272 489	4.9	40 093	6.6
Starke -----	387	1.5	134 960	1.2	349	1.9	332 948	4.6	23 841	7.8
Steuben -----	500	1.5	121 710	1.6	243	2.2	258 837	4.8	23 979	9.3
Sullivan -----	544	1.2	181 020	1.0	333	1.6	387 549	4.3	41 160	4.5
Switzerland -----	654	1.4	79 235	1.8	121	2.3	157 804	10.3	19 299	8.0
Tippecanoe -----	790	1.0	257 351	.7	326	1.2	551 669	3.5	52 048	4.6
Tipton -----	449	.9	160 930	.7	358	1.1	722 824	3.2	39 394	2.8
Union -----	268	1.4	80 069	1.5	299	2.1	483 906	6.5	17 749	9.8
Vanderburgh -----	305	1.0	80 958	1.2	265	1.6	458 642	5.8	20 739	4.6
Vermillion -----	307	.9	119 318	.8	389	1.2	463 718	4.7	20 839	6.4
Vigo -----	536	.9	144 722	.9	270	1.3	315 318	4.0	28 255	6.9

See footnotes at end of table.

## C-14 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farms		Land in farms		Average size of farm		Average market value of land and buildings per farm <sup>1</sup>		Estimated market value of all machinery and equipment <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Wabash-----	810	1.1	197 947	.8	244	1.3	344 933	4.3	57 870	4.5
Warren-----	435	.9	201 739	.7	464	1.1	616 619	3.0	33 144	4.4
Warwick-----	392	1.1	96 219	1.4	245	1.8	353 196	7.2	20 393	13.5
Washington-----	937	1.2	189 136	1.3	202	1.8	199 069	6.6	29 389	4.6
Wayne-----	828	1.2	189 467	1.1	229	1.7	243 169	4.6	39 531	6.2
Wells-----	722	.9	198 680	1.0	275	1.3	419 380	5.7	46 824	4.2
White-----	695	1.3	285 169	.9	410	1.6	632 478	3.4	60 927	3.1
Whitley-----	759	1.1	162 244	.9	214	1.5	258 234	4.0	41 450	6.8
Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total farm production expenses	
									Farms	Value
Indiana-----	55 440	1.6	4 633 090	.6	73 801	1.3	62 772	1.2	3 645 379	.7
Adams-----	53 381	5.0	80 632	.9	73 169	1.7	1 099	1.7	65 996	1.5
Allen-----	57 870	4.7	79 764	1.0	54 521	1.7	1 462	1.6	57 530	2.2
Bartholomew-----	51 278	4.7	44 691	.9	69 288	1.3	644	1.2	33 893	3.7
Benton-----	105 981	6.0	63 019	1.1	126 038	1.8	498	1.9	44 798	2.9
Blackford-----	54 681	4.8	22 696	1.0	83 135	1.5	273	1.2	18 246	2.1
Boone-----	63 998	5.7	72 814	.6	102 411	1.1	710	1.1	55 917	1.6
Brown-----	18 234	10.7	2 377	2.2	14 152	2.4	167	1.4	1 454	9.3
Carroll-----	90 443	6.8	103 275	.4	156 715	1.1	659	1.1	82 368	1.0
Cass-----	71 843	3.8	71 874	.7	89 395	1.3	803	1.1	55 162	1.7
Clark-----	35 221	7.8	17 733	.9	27 665	1.3	643	.9	15 882	2.8
Clay-----	62 204	7.8	37 921	1.2	66 762	1.8	567	1.6	27 699	3.0
Clinton-----	79 492	3.1	86 210	.5	127 719	1.1	676	1.2	65 344	1.3
Crawford-----	24 937	6.8	14 206	.6	37 188	1.2	382	1.2	12 230	2.3
Daviss-----	46 870	4.5	106 108	.7	89 846	1.5	1 184	1.4	85 121	1.7
Dearborn-----	22 686	8.5	9 230	1.5	12 507	1.7	739	1.2	8 562	6.4
Decatur-----	65 692	4.5	74 141	.8	101 424	1.6	732	1.6	58 945	1.9
De Kalb-----	49 054	4.6	33 539	.9	49 984	1.4	670	1.2	26 503	2.7
Delaware-----	52 706	4.9	42 898	.8	62 352	1.2	688	1.1	36 490	2.1
Dubois-----	54 134	3.5	138 390	.3	149 935	1.0	924	1.0	119 564	.9
Elkhart-----	40 050	5.6	96 859	1.1	66 938	1.7	1 445	1.4	77 944	2.3
Fayette-----	45 035	9.0	27 583	1.8	60 489	2.4	457	2.0	19 470	3.3
Floyd-----	17 212	10.4	4 106	3.0	12 220	3.1	335	1.1	2 508	7.8
Fountain-----	61 805	6.7	50 364	1.1	79 564	1.8	632	1.8	35 703	3.3
Franklin-----	31 667	5.6	34 640	1.2	40 801	1.6	851	1.1	24 587	2.7
Fulton-----	64 105	5.8	49 604	1.0	71 890	2.1	691	1.8	40 978	1.9
Gibson-----	85 606	7.0	65 951	.7	91 599	1.2	719	1.1	47 180	2.2
Grant-----	78 344	3.8	56 970	.7	90 428	1.2	632	1.1	44 571	1.6
Greene-----	35 930	4.5	41 026	1.0	42 825	1.5	957	1.2	32 995	3.4
Hamilton-----	60 477	5.3	50 258	.8	77 559	1.4	648	1.1	39 074	2.4
Hancock-----	65 966	4.7	46 137	.9	73 819	1.6	627	1.3	34 308	2.2
Harrison-----	31 135	4.9	45 507	.7	38 995	1.1	1 166	1.0	41 218	1.9
Hendricks-----	45 843	3.9	48 389	1.0	61 097	1.7	790	1.2	37 100	2.5
Henry-----	47 068	4.6	53 298	1.1	62 852	1.6	849	1.4	43 303	2.7
Howard-----	71 680	5.1	56 428	.7	99 696	1.3	565	1.2	41 899	2.3
Huntington-----	73 846	7.7	52 517	.8	74 599	1.2	701	1.0	40 573	2.0
Jackson-----	55 566	4.9	73 460	.7	86 322	1.4	849	1.5	60 771	1.4
Jasper-----	85 485	4.3	98 065	.6	136 962	1.5	720	1.4	76 115	1.1
Jay-----	48 798	4.8	63 949	.8	75 058	1.6	852	1.3	54 081	2.2
Jefferson-----	29 851	6.8	22 672	1.7	24 805	2.4	914	1.9	18 606	4.5
Jennings-----	38 608	5.4	35 568	.8	54 055	1.6	658	1.6	30 290	2.5
Johnson-----	56 161	4.9	43 132	.8	73 604	1.5	587	1.4	31 138	2.7
Knox-----	82 715	4.5	99 303	.6	144 336	1.3	689	1.3	71 971	1.2
Kosciusko-----	64 922	3.3	125 454	.4	111 713	.9	1 124	.9	111 101	1.3
Lagrange-----	38 953	5.7	98 309	.8	70 675	1.3	1 391	1.0	76 721	1.5
Lake-----	66 429	6.4	33 570	.9	69 647	1.4	482	1.2	25 500	3.0
La Porte-----	71 211	4.8	76 616	.6	92 755	1.4	828	1.3	62 352	1.3
Lawrence-----	31 272	7.1	17 167	1.4	20 220	1.8	851	1.2	15 300	4.0
Madison-----	64 862	4.7	65 728	.6	77 510	1.0	847	.9	51 792	2.8
Marion-----	52 507	10.4	20 709	1.1	75 034	1.6	274	1.8	15 055	5.9
Marshall-----	55 557	5.4	58 118	1.1	60 793	1.8	958	1.1	44 713	1.7
Martin-----	40 484	9.7	28 472	.8	75 926	1.8	374	1.9	23 030	2.5
Miami-----	63 407	6.8	64 642	.8	83 842	1.4	771	1.0	52 461	1.9
Monroe-----	19 165	9.4	10 275	1.2	20 227	1.6	508	1.1	7 041	6.2
Montgomery-----	76 921	4.9	91 485	.5	120 059	1.0	763	1.0	68 031	1.8
Morgan-----	44 135	5.8	30 545	1.1	47 210	1.7	647	1.5	24 445	3.1
Newton-----	107 630	5.6	66 862	.5	171 441	1.2	392	1.5	49 516	1.7
Noble-----	43 484	5.2	49 302	1.2	49 650	1.8	995	1.5	38 467	2.0
Ohio-----	21 447	10.0	4 396	2.3	16 465	2.7	267	1.7	3 526	11.1
Orange-----	32 462	5.7	19 953	1.1	38 078	1.7	523	1.6	18 166	5.5

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-15

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Average market value of all machinery and equipment per farm <sup>1</sup>		Market value of agricultural products sold		Average market value of agricultural products sold per farm		Farm production expenses <sup>1</sup>			
	Value (dollars)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total farm production expenses			
							Farms		Value	
							Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Owen -----	26 026	10.0	13 735	1.5	22 081	1.8	623	1.6	12 327	9.0
Parke -----	65 789	6.8	35 926	.9	73 169	1.6	491	1.2	27 026	2.1
Perry -----	30 827	7.5	11 080	1.7	22 799	1.9	485	1.1	9 984	9.0
Pike -----	44 414	11.4	20 147	1.0	65 201	1.3	311	1.4	16 178	5.4
Porter -----	65 163	6.1	34 689	1.3	69 938	1.8	496	1.7	27 916	4.2
Posey -----	109 173	6.1	62 257	.6	126 797	1.2	489	1.5	42 504	2.1
Pulaski -----	80 890	3.4	75 282	.6	119 495	1.2	630	1.2	62 280	1.1
Putnam -----	41 662	4.5	44 313	.7	53 647	1.3	825	1.6	36 872	2.1
Randolph -----	55 476	5.7	65 951	1.0	70 460	1.6	937	2.0	52 506	2.6
Ripley -----	36 573	5.1	37 468	1.3	38 908	1.8	962	1.2	32 355	2.6
Rush -----	71 618	5.0	73 882	1.4	97 085	2.6	761	2.5	59 206	2.7
St. Joseph -----	56 052	4.8	49 799	.8	64 843	1.4	767	1.3	43 518	3.0
Scott -----	26 225	11.4	9 933	1.5	27 823	1.7	358	1.4	8 234	6.8
Shelby -----	72 961	4.8	63 318	1.0	84 536	1.6	747	1.3	44 968	2.0
Spencer -----	55 149	6.8	45 607	1.0	62 476	1.8	727	1.5	34 429	2.5
Starke -----	61 925	8.2	28 321	.9	73 181	1.7	385	2.2	21 294	3.6
Steuben -----	48 540	9.5	25 042	1.6	50 084	2.2	500	1.2	22 878	5.5
Sullivan -----	75 662	4.7	43 106	.8	79 239	1.5	544	1.5	29 407	2.5
Switzerland -----	29 554	8.2	13 184	2.2	20 159	2.6	653	1.7	11 213	4.9
Tiptpecanoe -----	65 800	4.7	72 470	.6	91 734	1.1	791	1.1	55 479	1.9
Tipton -----	87 738	3.0	58 285	.5	129 810	1.0	449	1.2	45 974	1.7
Union -----	66 476	10.0	23 510	1.4	87 725	2.0	267	1.7	18 164	4.5
Vanderburgh -----	68 219	4.8	22 279	1.1	73 044	1.5	304	1.2	14 675	3.9
Vermillion -----	67 659	6.5	27 078	.8	88 203	1.2	308	1.1	19 543	2.5
Vigo -----	52 715	7.0	30 316	.8	56 560	1.2	536	1.0	22 161	3.4
Wabash -----	71 444	4.7	97 188	.4	119 986	1.1	810	1.3	82 496	1.3
Warren -----	76 194	4.6	43 406	.7	99 783	1.1	435	1.4	30 169	1.6
Warrick -----	52 157	13.5	19 773	1.4	50 442	1.8	391	1.4	15 787	7.0
Washington -----	31 399	4.7	43 534	.9	46 461	1.5	936	1.3	37 951	2.3
Wayne -----	47 743	6.4	58 527	.7	70 685	1.4	828	1.2	46 978	2.0
Wells -----	64 853	4.3	55 290	.8	76 579	1.3	722	1.1	42 127	1.9
White -----	87 539	3.5	104 630	.6	150 547	1.4	697	1.6	77 505	1.4
Whitley -----	55 192	7.0	44 854	.8	59 096	1.4	758	1.1	35 969	1.9
Farm production expenses <sup>1</sup> —Con.										
Geographic area	Livestock and poultry purchased			Feed for livestock and poultry			Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Indiana -----	19 087	1.7	328 492	1.0	31 571	1.4	657 193	.7	45 911
Adams -----	447	6.9	8 012	3.4	573	4.7	17 900	2.8	889	3.4
Allen -----	321	11.0	6 707	9.1	460	9.0	6 233	6.9	1 258	2.6
Bartholomew -----	183	13.7	1 565	7.7	311	9.0	3 925	15.3	467	4.6
Benton -----	64	17.9	711	2.5	110	16.9	1 027	6.4	455	3.2
Blackford -----	81	20.1	1 397	4.9	144	11.0	2 734	4.0	180	8.5
Boone -----	180	14.0	2 287	10.8	338	7.9	9 370	2.7	527	3.6
Brown -----	32	30.8	52	18.4	94	15.9	302	18.7	75	20.1
Carroll -----	228	10.8	9 243	2.5	352	7.7	19 515	2.9	529	3.5
Cass -----	262	10.1	4 681	8.8	377	8.0	7 223	3.9	670	3.6
Clark -----	170	14.9	886	18.2	374	8.0	1 243	9.7	409	6.8
Clay -----	166	13.7	1 844	22.8	307	8.7	2 749	17.3	426	5.4
Clinton -----	193	11.8	3 364	12.1	312	8.1	12 309	2.6	582	3.2
Crawford -----	110	18.8	1 587	6.7	235	8.8	(D)	(D)	118	18.8
Daviess -----	557	6.0	9 281	4.7	746	5.1	34 024	4.2	856	3.3
Dearborn -----	201	13.0	840	14.5	437	6.2	1 019	11.1	389	6.6
Decatur -----	299	10.0	9 032	5.1	437	6.4	10 025	4.8	616	4.2
De Kalb -----	170	14.4	1 692	5.9	276	9.7	3 905	6.8	574	3.9
Delaware -----	170	15.1	2 376	9.5	258	11.1	2 667	9.9	520	4.8
Dubois -----	402	7.7	16 023	3.3	693	4.8	59 726	1.1	589	5.2
Ekhart -----	784	6.0	9 823	7.5	1 039	4.1	21 170	5.1	960	3.5
Fayette -----	164	12.5	2 109	5.0	221	10.6	2 704	6.7	349	5.8
Floyd -----	66	28.5	91	39.1	145	18.3	198	34.6	208	10.9
Fountain -----	171	16.1	1 994	4.1	328	9.0	2 357	4.5	469	4.7
Franklin -----	241	12.4	2 547	8.9	425	8.1	4 978	8.4	648	4.5
Fulton -----	178	12.4	2 825	13.5	310	10.1	5 008	4.1	594	3.8
Gibson -----	142	14.7	1 483	15.1	272	10.7	4 885	7.2	599	3.2
Grant -----	145	12.6	3 328	8.9	253	9.6	4 347	6.6	518	3.7
Greene -----	244	11.8	3 011	6.4	517	6.0	7 484	6.8	477	5.2
Hamilton -----	187	14.3	2 485	6.7	285	10.7	3 549	13.5	500	3.7
Hancock -----	194	14.5	2 469	17.3	307	9.9	3 769	7.5	503	4.7
Harrison -----	307	10.3	6 451	4.4	649	5.7	10 082	3.0	621	6.1
Hendricks -----	240	14.0	1 476	9.6	373	10.1	3 420	8.8	535	5.6
Henry -----	254	11.8	4 165	9.3	407	7.9	3 442	8.2	646	3.8
Howard -----	187	13.4	3 114	7.2	303	7.6	6 920	5.6	475	3.9

See footnotes at end of table.

## C-16 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Livestock and poultry purchased				Feed for livestock and poultry				Seeds, bulbs, plants, and trees			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Huntington -----	165	14.3	3 138	9.0	332	8.8	6 158	4.1	550	3.9	2 676	9.1
Jackson -----	271	10.5	9 594	4.9	449	6.8	15 378	1.2	598	4.4	2 634	3.8
Jasper -----	178	12.1	10 271	.9	230	10.2	12 620	2.2	628	3.4	4 339	2.5
Jay -----	276	10.7	6 629	7.2	395	7.8	15 973	3.6	638	4.6	2 135	3.7
Jefferson -----	176	15.2	836	16.0	420	8.9	1 375	10.1	654	5.3	1 066	6.5
Jennings -----	176	14.3	3 203	8.1	384	7.7	9 102	3.2	391	6.2	1 145	6.1
Johnson -----	162	14.3	2 305	14.7	292	9.8	2 727	8.1	435	4.4	1 990	3.4
Knox -----	199	13.3	7 979	5.2	262	11.2	7 607	6.4	581	4.0	4 836	2.1
Kosciusko -----	424	8.5	15 362	2.7	623	6.6	34 964	2.7	818	3.7	3 735	4.0
Lagrange -----	877	4.6	11 754	5.6	1 096	2.9	20 773	3.7	986	3.1	2 092	4.6
Lake -----	87	18.3	528	8.2	159	11.9	869	6.8	358	4.7	2 365	3.4
La Porte -----	182	12.8	4 411	2.6	290	9.0	6 710	2.5	704	3.1	3 893	2.9
Lawrence -----	200	14.3	1 291	9.8	580	6.0	2 511	18.1	381	8.4	718	9.8
Madison -----	225	13.1	4 607	19.6	325	9.6	2 510	7.8	677	3.5	3 848	3.2
Marion -----	81	21.4	880	16.3	111	17.1	1 127	6.3	149	11.5	1 598	5.5
Marshall -----	291	11.1	3 291	11.0	442	8.0	5 869	5.2	751	4.0	2 849	3.1
Martin -----	183	13.2	3 430	5.9	303	6.7	10 619	2.3	204	12.0	445	6.3
Miami -----	262	11.0	7 131	2.6	384	8.4	7 836	3.7	660	3.7	3 369	3.0
Monroe -----	209	12.6	794	23.8	392	6.1	738	11.2	180	10.8	232	26.4
Montgomery -----	228	12.1	3 524	3.0	368	8.6	12 923	3.9	583	4.0	4 098	3.0
Morgan -----	158	13.5	1 477	5.1	378	6.9	2 437	6.1	421	5.4	1 789	4.7
Newton -----	108	14.5	3 383	3.3	146	11.7	10 363	4.5	333	4.6	2 917	3.2
Noble -----	256	11.3	4 400	5.9	405	8.7	5 234	4.8	722	4.2	2 125	4.6
Ohio -----	72	25.3	355	40.7	139	15.7	428	26.7	154	13.9	129	14.9
Orange -----	152	17.6	1 909	10.5	297	9.1	(D)	(D)	269	9.0	726	7.9
Owen -----	196	12.2	637	7.4	347	8.2	1 239	7.6	323	7.5	865	15.0
Parke -----	119	16.3	1 320	12.2	230	10.5	1 944	5.0	402	4.8	2 061	3.6
Perry -----	168	14.4	834	8.8	344	6.7	2 926	18.8	209	9.2	372	9.9
Pike -----	74	24.5	1 010	17.3	146	14.0	3 197	4.6	260	6.4	1 111	9.8
Porter -----	97	20.7	873	15.1	157	14.3	2 157	8.8	404	5.1	2 270	5.9
Posey -----	92	21.7	1 469	2.6	181	13.4	4 853	4.5	414	3.5	3 337	3.4
Pulaski -----	195	11.6	4 121	3.4	278	8.8	12 776	2.0	524	3.7	3 135	2.1
Putnam -----	334	9.5	3 452	17.0	531	6.1	4 903	6.3	482	5.8	2 086	4.1
Randolph -----	269	12.4	3 199	6.2	459	7.2	9 465	3.7	760	3.2	3 347	4.1
Ripley -----	292	11.8	2 503	12.9	509	7.0	5 705	5.6	728	3.8	1 731	7.6
Rush -----	333	8.8	5 423	11.4	422	7.1	8 330	5.9	674	4.1	3 503	3.2
St. Joseph -----	158	17.6	1 962	3.2	257	11.8	5 929	8.6	632	3.9	2 566	4.2
Scott -----	76	24.8	112	19.1	160	13.6	695	27.2	265	7.5	490	7.9
Shelby -----	191	12.8	2 314	8.9	385	8.2	3 369	6.8	593	3.0	3 430	4.6
Spencer -----	210	12.4	2 272	17.0	410	7.0	6 790	5.0	501	5.7	2 144	6.2
Starke -----	87	28.1	1 230	43.8	156	14.9	1 031	14.0	271	8.1	1 389	3.1
Steuben -----	145	13.9	1 780	16.6	244	9.6	3 684	8.3	377	5.6	1 413	8.4
Sullivan -----	151	15.0	1 710	18.6	262	9.3	1 824	6.1	371	5.0	2 313	3.3
Switzerland-----	154	20.4	459	23.9	280	12.6	2 046	6.9	477	6.2	497	15.9
Tippecanoe -----	235	11.9	3 452	5.7	367	8.6	7 374	4.4	566	4.2	3 420	3.1
Tipton -----	117	12.6	3 530	1.2	165	10.7	5 444	5.4	391	2.6	2 348	4.9
Union -----	93	17.2	1 498	12.9	184	8.3	2 302	5.7	226	5.0	1 364	8.0
Vanderburgh -----	70	24.2	477	24.7	152	13.3	792	13.1	222	7.3	1 302	12.6
Vermillion -----	80	19.9	1 165	3.4	158	11.7	1 089	9.3	266	4.3	1 427	2.5
Vigo -----	90	21.8	882	9.5	213	11.0	1 247	11.2	359	5.7	1 894	5.9
Wabash -----	329	9.1	16 205	3.4	466	7.0	20 403	1.6	607	3.5	2 831	4.9
Warren -----	82	18.4	644	15.6	158	12.3	926	8.2	342	4.6	2 783	4.2
Warrick -----	74	24.5	373	29.8	166	13.8	1 548	22.9	280	6.6	1 062	10.1
Washington -----	283	10.1	3 772	7.0	540	5.8	12 088	3.2	539	6.1	1 353	5.9
Wayne -----	277	9.9	3 662	5.7	439	7.2	5 873	4.8	623	4.4	2 119	3.9
Wells -----	186	12.6	3 802	5.0	249	10.9	4 837	8.6	632	3.3	2 674	2.9
White -----	224	10.7	6 277	1.8	330	8.6	15 881	3.2	566	3.8	3 765	2.8
Whitley -----	268	9.7	4 645	10.8	356	7.9	5 744	6.5	569	3.4	1 943	3.8
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Indiana -----	47 406	1.3	420 849	1.0	46 648	1.3	247 300	1.0	59 695	1.2	205 728	.9
Adams -----	843	3.8	5 399	3.4	849	4.0	3 224	4.0	1 053	2.3	3 226	2.9
Allen -----	1 252	2.8	6 772	4.8	1 136	3.3	5 158	6.0	1 428	1.8	3 877	3.5
Bartholomew -----	465	4.6	5 285	4.0	496	4.7	3 095	5.7	613	2.5	2 162	4.3
Benton -----	453	3.5	7 390	3.8	458	3.5	5 161	3.9	489	2.3	3 087	5.1
Blackford -----	197	7.3	2 324	9.9	184	7.7	1 399	3.5	266	2.6	1 117	4.5
Boone -----	519	4.5	6 229	3.6	484	5.3	3 921	4.0	669	2.3	3 253	3.7
Brown -----	111	14.0	135	22.3	63	22.5	46	15.7	146	8.2	108	17.4
Carroll -----	538	3.9	7 638	3.3	551	3.5	4 379	7.9	586	3.4	3 486	4.3
Cass -----	658	3.6	6 560	3.6	673	3.3	4 002	2.4	781	1.7	3 391	2.9

See footnotes at end of table.

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Commercial fertilizer				Agricultural chemicals				Petroleum products			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Clark -----	425	6.6	1 876	4.5	382	7.2	1 448	6.5	601	2.8	947	4.3
Clay -----	428	5.3	4 635	5.6	450	4.9	2 524	6.3	560	2.0	1 877	3.3
Clinton -----	559	3.9	7 311	2.9	553	4.3	4 587	3.0	641	2.4	3 993	3.0
Crawford -----	242	9.0	351	15.4	115	17.8	88	20.9	359	2.2	325	8.6
Daviess -----	855	4.1	7 850	5.0	928	3.3	3 583	4.6	1 129	1.9	3 252	3.5
Dearborn -----	467	5.9	807	9.6	478	5.4	348	10.2	699	1.9	671	9.0
Decatur -----	622	4.2	6 549	2.7	618	4.4	3 564	3.2	684	3.1	3 135	3.1
De Kalb -----	528	4.5	2 809	6.3	513	4.9	2 271	8.9	630	2.6	1 722	5.2
Delaware -----	493	5.3	4 647	3.6	539	5.2	3 068	5.2	651	2.7	2 159	2.8
Dubois -----	698	4.4	6 620	4.4	571	5.3	2 322	3.6	900	1.6	3 327	2.7
Elkhart -----	991	3.7	5 933	6.0	1 003	4.1	3 083	6.4	1 346	2.0	3 721	3.9
Fayette -----	343	6.3	2 298	4.3	316	7.1	1 318	7.2	427	3.1	1 354	5.8
Floyd -----	221	11.8	237	10.4	229	9.1	181	16.9	335	1.1	148	8.2
Fountain -----	471	5.5	5 494	4.7	483	5.5	3 089	6.8	615	2.4	2 287	3.6
Franklin -----	725	3.2	2 705	4.6	682	4.5	1 420	7.9	787	2.6	1 506	5.6
Fulton -----	546	4.5	5 535	2.6	541	6.1	3 397	4.0	624	3.3	2 541	2.7
Gibson -----	595	3.5	9 322	3.5	566	4.2	4 718	4.7	676	2.3	3 076	3.6
Grant -----	466	4.6	5 755	2.8	533	3.8	3 868	3.4	586	2.8	2 933	3.4
Greene -----	614	5.1	4 606	7.6	565	5.4	2 323	9.5	915	2.0	2 227	5.8
Hamilton -----	455	5.3	5 129	10.9	534	4.2	3 070	4.4	608	2.7	2 267	3.6
Hancock -----	504	5.2	4 386	4.8	478	4.9	2 604	5.7	571	3.4	2 385	3.7
Harrison -----	836	4.3	2 470	7.6	746	4.3	1 708	10.8	1 097	1.8	1 623	3.6
Hendricks -----	508	6.2	5 206	7.0	550	5.8	3 267	9.0	745	2.5	2 109	5.3
Henry -----	646	4.3	6 134	5.5	641	4.4	3 247	5.5	825	1.9	2 704	3.5
Howard -----	429	4.4	4 469	6.2	457	4.7	2 657	5.7	554	1.7	2 435	3.9
Huntington -----	557	4.3	4 493	4.1	544	4.3	3 562	5.1	671	2.2	2 506	3.1
Jackson -----	602	4.4	4 635	4.6	689	3.7	3 344	6.2	812	1.8	2 649	3.2
Jasper -----	608	3.7	8 773	2.5	583	4.1	5 263	2.8	711	1.6	4 120	2.3
Jay -----	620	5.5	4 141	5.2	671	4.2	2 671	5.2	807	2.4	2 294	4.6
Jefferson -----	801	3.3	2 326	6.5	693	4.6	1 415	7.4	893	2.2	1 142	6.4
Jennings -----	496	5.3	2 712	5.6	402	7.1	1 274	8.4	643	2.2	1 174	6.2
Johnson -----	415	5.0	4 000	2.9	401	6.2	2 111	3.4	513	3.4	1 869	3.2
Knox -----	584	3.7	10 961	2.4	524	5.3	5 280	3.5	679	1.6	3 918	2.3
Kosciusko -----	837	3.9	7 188	5.3	878	3.5	4 123	4.2	1 054	1.9	4 381	3.6
Lagrange -----	999	3.4	5 184	5.0	1 001	3.6	2 643	5.2	1 343	1.4	3 241	4.2
Lake -----	308	6.1	3 097	4.1	382	5.3	2 417	4.6	435	3.7	1 988	3.5
La Porte -----	670	3.6	7 580	3.1	689	3.5	5 097	3.3	803	1.8	4 399	2.6
Lawrence -----	499	5.3	1 807	8.3	474	6.6	783	15.1	825	1.9	942	5.1
Madison -----	632	3.6	6 310	3.5	643	4.1	4 675	5.9	800	2.3	2 900	3.1
Marion -----	185	8.8	1 228	12.3	197	8.5	757	15.8	250	5.0	860	7.1
Marshall -----	758	3.8	5 669	3.5	761	4.1	3 212	4.8	913	2.1	3 277	3.1
Martin -----	199	11.8	1 092	7.3	157	13.5	580	5.0	347	4.1	740	5.8
Miami -----	642	4.0	6 121	5.7	630	4.1	3 589	4.6	746	1.9	2 907	3.4
Monroe -----	273	9.4	625	12.9	243	10.4	199	16.4	499	2.0	466	7.4
Montgomery -----	594	4.1	8 026	6.6	626	3.9	5 744	3.8	756	1.3	3 483	2.6
Morgan -----	469	5.2	3 687	6.1	444	5.6	2 289	6.3	599	2.8	1 630	4.4
Newton -----	325	5.0	5 712	2.9	317	5.6	3 827	5.4	376	2.6	2 533	2.8
Noble -----	711	4.4	4 001	4.4	759	4.0	3 038	5.5	930	2.2	2 257	4.2
Ohio -----	199	9.0	279	7.4	198	9.3	119	7.6	236	6.6	295	16.2
Orange -----	312	9.5	1 613	9.6	231	9.9	932	9.6	503	2.5	784	3.8
Owen -----	425	5.7	2 253	19.8	397	6.7	1 068	11.0	571	3.1	867	7.6
Parke -----	398	4.5	4 621	4.0	410	5.1	2 292	3.3	459	2.8	2 182	5.0
Perry -----	300	8.0	960	9.9	182	12.7	307	12.3	473	2.0	555	11.1
Pike -----	226	8.8	2 988	11.1	251	6.8	1 286	9.2	309	1.4	961	8.1
Porter -----	411	4.8	3 794	6.1	468	3.3	2 490	7.1	474	2.9	2 115	5.9
Posey -----	419	3.7	8 247	3.5	417	3.5	4 544	4.4	475	2.1	2 957	4.1
Pulaski -----	521	4.0	7 243	4.3	548	3.4	3 951	2.7	613	1.8	3 427	3.2
Putnam -----	549	5.4	4 836	6.3	552	6.1	2 940	7.9	792	2.4	2 186	3.5
Randolph -----	765	3.3	7 081	4.9	746	3.7	4 175	4.6	884	2.7	2 824	4.1
Ripley -----	786	3.7	4 272	5.8	699	4.6	1 875	6.0	935	2.0	2 218	3.8
Rush -----	651	4.4	8 520	7.2	642	4.5	3 871	4.8	727	3.2	3 449	3.3
St. Joseph -----	646	3.9	4 805	6.2	655	4.1	2 927	4.9	740	2.1	3 209	5.9
Scott -----	258	8.0	1 196	10.2	256	7.4	831	9.0	343	3.2	550	7.3
Shelby -----	623	3.4	7 149	3.4	576	3.7	3 595	3.6	694	2.6	3 283	2.8
Spencer -----	525	5.6	4 510	5.2	490	6.4	2 644	5.7	698	2.3	2 069	6.3
Starke -----	296	6.9	3 692	4.8	280	8.8	2 030	7.3	351	3.9	1 571	4.0
Steuben -----	385	5.9	2 787	6.9	374	6.4	1 607	6.9	482	2.5	1 430	6.1
Sullivan -----	365	5.2	5 401	3.2	352	7.0	2 846	5.0	504	3.2	2 192	4.1
Switzerland -----	586	3.6	1 038	8.4	534	5.5	448	8.8	644	2.2	724	6.4
Tippecanoe -----	600	4.0	6 918	3.0	597	4.3	4 614	4.7	715	2.6	3 438	2.9
Tipton -----	390	2.3	5 105	3.2	396	3.6	3 542	3.2	440	2.0	2 330	2.5
Union -----	254	3.0	2 446	6.0	244	3.7	1 314	7.8	267	1.7	1 349	8.1
Vanderburgh -----	217	8.7	2 632	7.5	217	8.4	1 387	7.1	288	3.3	988	6.1
Vermillion -----	242	5.4	2 457	4.5	253	5.8	1 612	6.7	288	3.2	1 176	6.0
Vigo -----	355	6.6	3 486	6.4	355	7.0	1 881	5.2	500	3.1	1 773	3.9
Wabash -----	615	3.4	5 859	3.8	605	4.7	3 378	4.2	762	2.5	3 381	2.8
Warren -----	323	6.0	5 138	2.7	317	5.0	3 102	5.1	405	3.1	2 343	2.3
Warrick -----	279	8.4	3 078	15.6	303	5.8	1 842	8.8	383	2.0	1 129	7.6
Washington -----	658	4.8	3 332	4.8	635	5.0	1 788	6.4	898	2.1	1 617	3.3
Wayne -----	580	5.0	4 445	5.4	604	4.9	2 790	5.0	773	2.5	3 421	2.4
Wells -----	638	3.2	5 506	5.4	613	3.4	3 619	4.3	706	1.7	2 629	4.5
White -----	564	3.8	9 168	4.0	567	4.4	5 229	6.1	655	2.7	4 079	4.0
Whitley -----	558	4.1	3 758	4.1	611	3.9	2 393	5.3	707	2.2	2 119	3.1

See footnotes at end of table.

## C-18 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Indiana -----	45 290	1.3	60 628	.9	19 252	1.6	209 089	.5	4 256	3.2	16 567	2.3
Adams -----	694	4.7	1 104	3.2	328	8.4	2 924	3.9	52	28.4	197	26.3
Allen -----	964	4.5	880	4.6	384	9.4	2 675	3.2	100	20.8	257	20.7
Bartholomew -----	479	5.0	462	4.8	174	12.7	1 083	4.4	45	30.0	205	5.0
Benton -----	397	6.3	550	4.3	230	10.7	1 728	4.5	24	28.2	35	5.9
Blackford -----	203	7.6	288	4.5	90	17.5	898	1.4	21	41.0	43	22.3
Boone -----	542	4.2	786	4.0	191	11.9	3 453	3.9	63	19.4	177	11.3
Brown -----	104	13.7	50	23.2	53	25.4	105	11.8	23	50.9	32	51.3
Carroll -----	509	5.0	1 112	2.2	208	10.5	4 274	.3	46	25.4	331	6.6
Cass -----	632	4.3	764	3.7	266	9.9	2 906	2.9	79	22.1	863	6.0
Clark -----	468	6.0	267	5.4	184	12.3	1 272	4.9	36	37.8	80	25.7
Clay -----	380	5.5	426	8.9	199	12.7	1 167	6.8	41	30.0	66	34.5
Clinton -----	541	4.7	887	2.8	287	7.8	4 054	.7	43	18.4	246	13.2
Crawford -----	208	11.6	107	7.7	94	20.4	301	2.7	2	—	(D)	(D)
Daviess -----	677	5.5	1 081	4.6	315	8.0	3 706	4.3	67	20.6	343	2.3
Dearborn -----	532	4.9	232	10.7	162	15.2	195	16.5	87	22.8	95	39.8
Decatur -----	558	4.5	916	3.7	218	11.4	2 476	3.1	52	25.8	214	8.8
De Kalb -----	495	5.1	568	5.4	177	13.0	1 635	5.5	11	3.1	50	1.6
Delaware -----	487	5.7	467	5.1	188	11.9	2 111	2.4	56	27.5	130	29.9
Dubois -----	751	3.7	2 255	1.9	259	11.0	5 409	1.8	58	29.6	307	2.8
Elkhart -----	1 077	3.7	1 886	4.2	426	9.0	3 746	3.7	96	22.8	164	21.5
Fayette -----	386	4.4	507	12.3	110	16.8	686	2.9	30	38.3	85	43.8
Floyd -----	186	12.9	57	23.0	66	29.7	99	13.2	22	59.7	16	60.8
Fountain -----	450	5.7	473	5.8	181	13.2	954	2.1	29	38.9	65	58.2
Franklin -----	614	5.1	574	8.6	199	15.2	708	12.1	57	30.7	76	16.6
Fulton -----	575	4.8	798	5.0	189	12.4	1 462	6.3	27	35.8	62	18.7
Gibson -----	486	5.4	610	5.4	200	12.0	1 787	2.2	40	28.7	107	22.2
Grant -----	449	5.4	571	2.7	184	9.5	2 031	2.4	41	30.0	316	10.1
Greene -----	659	4.8	565	18.9	242	10.9	1 718	4.6	56	25.9	189	32.4
Hamilton -----	473	6.0	516	7.6	177	13.3	3 948	4.4	74	23.3	122	30.4
Hancock -----	433	6.1	547	4.5	249	12.0	1 599	2.9	16	—	67	—
Harrison -----	794	4.4	578	3.9	394	9.1	4 429	2.1	53	28.7	227	52.3
Hendricks -----	560	4.9	611	5.5	249	13.1	2 413	3.4	57	28.1	94	27.1
Henry -----	637	4.2	602	3.8	252	10.5	2 441	2.7	60	22.4	183	7.5
Howard -----	457	4.1	579	2.2	184	13.4	1 848	3.6	52	24.7	851	1.1
Huntington -----	541	4.7	652	4.5	154	12.6	1 609	4.3	37	33.4	59	14.6
Jackson -----	501	6.9	1 151	3.0	228	10.4	4 748	5.4	35	28.3	77	5.6
Jasper -----	541	4.8	1 209	1.9	297	8.1	3 413	1.3	39	23.5	165	11.6
Jay -----	600	5.2	920	4.4	227	11.1	1 964	11.6	48	20.7	253	4.4
Jefferson -----	712	4.9	322	7.5	443	8.7	1 378	14.5	103	22.0	162	37.8
Jennings -----	456	6.0	566	4.5	160	14.4	1 058	11.0	67	30.0	49	35.1
Johnson -----	348	8.2	432	6.2	144	13.5	2 987	2.3	55	32.6	63	29.9
Knox -----	530	5.0	937	3.2	269	9.5	4 706	1.5	47	20.8	470	1.3
Kosciusko -----	915	3.4	1 946	3.0	344	9.6	7 884	1.2	93	22.7	349	3.6
Lagrange -----	781	5.3	1 469	4.2	278	10.6	8 426	1.4	39	24.2	68	15.6
Lake -----	339	6.2	445	4.3	112	13.2	2 108	1.0	35	33.8	51	22.5
La Porte -----	640	4.4	1 259	2.4	295	8.5	5 562	3.6	68	19.9	302	22.6
Lawrence -----	504	7.1	269	6.5	237	12.6	716	3.1	39	36.1	61	27.1
Madison -----	617	5.0	540	5.2	251	11.0	3 549	4.7	41	27.5	667	14.7
Marion -----	220	7.1	313	5.2	92	11.1	2 522	1.5	14	29.8	53	11.2
Marshall -----	634	5.7	891	4.5	313	10.2	2 059	7.5	71	24.6	128	15.7
Martin -----	268	8.8	372	7.0	118	17.2	717	3.9	58	29.1	84	9.6
Miami -----	594	5.0	700	4.0	276	9.2	2 087	2.0	66	24.8	104	7.7
Monroe -----	291	9.2	233	7.2	134	15.9	410	5.9	25	31.9	30	23.9
Montgomery -----	560	5.3	1 040	4.2	268	10.1	3 942	3.4	66	17.3	524	34.0
Morgan -----	394	7.0	401	6.6	217	11.5	1 711	4.5	81	20.7	279	24.1
Newton -----	337	3.9	781	2.6	179	10.4	2 353	.9	30	21.9	186	13.4
Noble -----	737	4.2	839	4.2	215	12.3	2 447	5.2	39	29.1	95	6.3
Ohio -----	181	11.6	70	17.4	137	17.1	257	9.7	23	43.1	37	14.5
Orange -----	333	7.0	309	6.3	177	16.7	1 187	9.0	41	32.2	(D)	(D)
Owen -----	316	8.9	191	11.6	128	18.6	324	10.5	30	41.1	44	28.9
Parke -----	340	6.6	491	4.3	149	11.8	1 533	10.3	46	29.7	194	9.1
Perry -----	345	6.2	199	7.2	118	18.1	149	8.2	23	34.8	12	28.8
Pike -----	152	12.1	213	8.6	116	19.3	696	17.9	17	46.5	18	6.5
Porter -----	369	5.3	666	8.4	172	13.5	1 408	4.5	47	35.6	109	29.6
Posey -----	426	3.6	677	7.6	191	12.0	2 418	1.5	54	33.9	163	41.4
Pulaski -----	517	3.7	1 133	4.8	211	9.2	2 836	4.2	61	18.9	202	12.8
Putnam -----	580	5.3	663	5.6	235	11.3	1 925	3.1	37	18.5	112	5.6
Randolph -----	714	4.2	947	6.5	285	11.3	2 138	4.9	76	23.3	218	21.8
Ripley -----	821	3.3	688	5.0	298	11.5	1 735	3.2	49	34.3	81	14.3
Rush -----	650	4.6	1 100	4.9	249	9.9	2 388	12.2	47	29.3	145	45.1
St. Joseph -----	503	6.0	832	4.7	190	12.4	3 617	2.3	66	23.8	272	3.7
Scott -----	214	8.8	154	13.8	90	20.1	525	15.5	13	51.6	15	24.1
Shelby -----	558	5.1	661	4.5	283	9.4	2 879	3.7	52	25.8	140	9.1
Spencer -----	559	4.4	621	4.3	261	11.8	2 252	7.3	54	27.9	84	9.1
Starke -----	290	7.1	455	8.4	122	17.7	1 507	4.9	48	20.6	194	36.3
Steuben -----	408	5.0	555	12.5	160	14.9	1 157	16.1	30	37.2	48	6.1
Sullivan -----	392	5.9	332	3.4	186	12.1	1 499	2.8	44	23.6	128	7.4
Switzerland -----	454	6.5	292	6.4	337	9.3	839	8.1	43	35.3	101	9.2
Tippecanoe -----	618	4.2	957	5.1	270	10.2	3 869	2.9	89	20.0	425	10.4

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-19

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Electricity				Hired farm labor				Contract labor			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Tipton -----	325	6.4	471	3.1	158	9.0	4 062	2.8	25	21.6	759	2.8
Union -----	254	3.1	401	3.9	107	15.3	574	9.9	6	4.5	13	3.2
Vanderburgh -----	244	6.9	292	6.1	93	18.2	1 223	9.5	31	35.2	90	7.4
Vermillion -----	261	5.1	243	5.7	101	15.0	1 189	1.8	26	35.2	78	64.7
Vigo -----	367	6.0	346	5.6	133	14.2	2 525	13.5	10	2.2	94	5.8
Wabash -----	610	4.3	1 467	2.8	250	9.5	5 463	.6	63	22.5	237	11.6
Warren -----	361	4.2	500	3.3	148	11.2	1 712	2.8	38	27.5	84	27.2
Warrick -----	277	8.6	256	11.1	67	19.6	844	2.3	34	38.8	43	16.1
Washington -----	634	4.9	651	4.8	334	9.6	1 685	4.8	75	23.3	135	29.9
Wayne -----	611	4.4	824	3.5	252	10.9	4 989	2.1	63	28.8	147	35.7
Wells -----	533	5.0	550	4.8	199	11.2	1 333	8.9	28	29.2	50	14.8
White -----	528	4.2	1 364	3.3	307	8.6	4 351	3.9	41	29.2	182	18.2
Whitley -----	628	3.3	688	5.6	178	13.6	1 407	5.1	14	41.6	88	4.2
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Indiana -----	52 836	1.3	243 906	1.0	23 867	1.6	53 466	1.9	32 082	1.5	290 504	1.1
Adams -----	941	3.0	3 929	4.1	561	6.3	1 089	9.0	572	6.2	4 924	6.2
Allen -----	1 247	3.0	5 192	6.4	555	8.1	978	9.2	662	7.0	4 758	7.0
Bartholomew -----	535	4.5	2 823	6.0	241	10.5	414	15.4	342	6.6	3 134	7.9
Benton -----	462	3.9	3 323	6.4	278	8.1	1 014	14.6	320	7.1	4 819	10.2
Blackford -----	252	3.7	1 163	5.9	105	14.5	267	9.8	186	8.7	1 781	7.5
Boone -----	601	3.6	3 335	4.0	296	8.9	878	12.9	331	6.8	4 876	6.8
Brown -----	138	9.1	126	13.7	25	45.2	7	51.1	36	29.6	57	22.1
Carroll -----	541	4.7	4 475	4.4	238	10.7	1 028	4.4	342	7.4	5 922	5.4
Cass -----	684	3.3	3 670	4.0	326	9.5	1 125	8.8	482	6.4	4 223	5.4
Clark -----	551	4.4	1 539	6.6	188	14.5	195	11.6	207	11.3	1 189	8.2
Clay -----	523	3.5	2 188	5.4	238	11.0	381	10.7	353	5.5	2 417	7.5
Clinton -----	568	3.6	4 368	2.9	239	11.0	1 219	7.3	413	5.9	5 585	4.5
Crawford -----	276	7.7	473	19.4	72	25.0	310	5.2	134	16.5	348	22.2
Daviess -----	922	3.7	4 070	4.3	408	8.7	660	10.7	584	6.9	5 016	4.8
Dearborn -----	612	3.8	1 196	12.2	203	12.4	158	30.1	191	14.2	645	21.1
Decatur -----	606	4.7	3 407	3.3	344	9.3	1 172	14.6	425	7.9	4 775	8.2
De Kalb -----	517	4.4	2 223	6.8	283	11.1	489	11.8	342	8.5	2 440	10.0
Delaware -----	570	4.8	2 523	5.0	309	8.7	836	9.3	401	7.9	3 668	5.1
Dubois -----	796	3.5	4 812	2.9	426	8.7	1 243	8.5	429	6.8	4 701	3.3
Elkhart -----	1 206	2.8	5 278	4.5	617	6.9	1 016	11.7	817	5.3	5 627	6.5
Fayette -----	402	4.1	1 342	6.9	209	10.0	297	10.2	245	9.3	1 827	9.5
Floyd -----	249	8.6	236	8.4	85	23.3	67	64.4	78	24.9	205	24.7
Fountain -----	545	3.9	3 118	6.3	251	11.8	907	22.6	337	8.1	3 473	9.9
Franklin -----	694	4.0	2 012	6.6	255	13.0	248	25.2	345	10.4	2 067	14.1
Fulton -----	572	5.1	2 637	4.9	321	10.3	804	8.4	434	7.2	4 630	6.1
Gibson -----	588	4.0	3 763	5.4	212	12.2	600	13.4	387	7.4	3 904	6.4
Grant -----	536	3.7	3 137	4.6	266	9.3	553	7.4	347	6.9	4 860	4.0
Greene -----	800	3.3	2 128	6.6	336	9.9	639	26.5	348	9.4	1 983	10.4
Hamilton -----	525	5.1	2 969	3.9	319	9.4	900	8.3	174	10.8	2 508	6.6
Hancock -----	520	4.7	2 577	7.0	266	12.1	314	11.1	280	10.3	2 710	4.4
Harrison -----	947	3.3	2 404	4.0	299	10.8	493	20.3	528	6.9	2 508	7.4
Hendricks -----	674	3.4	2 698	5.1	318	11.2	492	11.1	399	8.7	3 336	5.4
Henry -----	721	3.5	3 184	4.2	388	8.2	1 026	13.1	416	7.7	3 359	5.8
Howard -----	495	3.4	2 865	5.7	300	8.0	613	7.5	314	6.2	3 265	7.1
Huntington -----	606	3.3	2 946	3.5	340	8.8	752	16.1	403	7.0	4 364	7.7
Jackson -----	690	3.8	3 184	4.3	237	11.3	457	11.9	395	8.7	3 276	7.5
Jasper -----	635	3.1	4 122	3.3	321	8.2	1 293	4.1	441	4.6	5 844	3.8
Jay -----	693	4.1	3 568	6.6	377	9.6	588	9.5	543	6.1	4 570	9.4
Jefferson -----	809	3.7	1 832	12.2	272	12.9	370	11.0	410	8.9	2 327	9.9
Jennings -----	558	3.7	1 882	8.7	194	13.0	240	18.4	268	9.3	1 849	8.0
Johnson -----	443	5.6	2 235	5.0	256	10.7	559	11.1	271	8.4	2 940	7.9
Knox -----	628	3.0	4 632	3.2	201	11.8	783	9.8	397	7.7	5 591	3.2
Kosciusko -----	982	2.5	5 720	4.3	511	7.9	1 015	12.2	619	5.8	5 699	5.0
Lagrange -----	1 130	3.1	3 764	3.9	502	8.0	807	9.0	793	5.2	5 539	5.7
Lake -----	407	4.5	1 813	4.0	127	15.3	568	6.0	191	11.4	1 810	7.2
La Porte -----	734	3.2	4 540	4.4	275	9.4	817	11.8	407	7.2	4 264	4.8
Lawrence -----	737	3.6	1 224	7.0	286	10.5	326	17.2	394	8.9	1 669	14.1
Madison -----	734	3.2	3 459	4.2	358	8.7	579	13.3	473	6.3	4 923	4.9
Marion -----	226	6.8	934	8.6	75	20.2	178	15.0	91	16.7	789	15.6
Marshall -----	804	3.3	3 605	5.2	345	10.5	778	19.6	506	7.5	3 931	5.6
Martin -----	292	7.6	975	7.3	120	18.6	143	14.6	151	16.0	1 559	9.1
Miami -----	675	3.8	3 278	4.7	348	9.0	872	39.8	440	7.5	4 461	5.6
Monroe -----	381	6.6	697	13.7	99	19.2	80	22.9	145	15.6	739	15.6
Montgomery -----	713	2.4	4 416	3.5	322	9.3	1 182	15.9	444	6.4	5 988	7.4

See footnotes at end of table.

## C-20 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Repair and maintenance				Customwork, machine hire, and rental of machinery and equipment				Interest expense			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Morgan -----	489	5.2	1 816	5.3	210	12.7	329	15.8	261	10.2	1 629	7.1
Newton -----	330	4.1	2 616	3.6	177	10.8	932	7.4	245	7.4	2 770	6.1
Noble -----	834	3.6	3 008	4.6	358	9.5	764	12.9	483	7.2	3 076	7.0
Ohio -----	203	8.9	339	9.8	136	13.5	121	23.2	113	17.9	358	22.7
Orange -----	444	4.5	1 166	9.4	191	15.3	173	13.8	237	11.6	1 426	13.3
Owen -----	489	5.2	1 122	15.1	209	13.6	241	18.2	278	11.4	1 262	20.7
Parke -----	410	4.6	1 982	5.1	155	13.7	230	10.1	240	8.2	2 961	6.1
Perry -----	412	4.7	950	11.0	171	13.5	133	15.6	178	13.2	703	26.4
Pike -----	271	5.9	1 180	7.4	97	19.0	171	20.1	171	11.1	1 105	14.9
Porter -----	451	3.7	2 270	4.1	188	12.4	383	16.9	255	8.9	2 711	8.2
Posey -----	437	3.3	3 068	5.7	193	12.4	388	26.2	289	6.4	3 186	6.1
Pulaski -----	549	2.8	3 775	3.5	251	9.1	1 060	4.7	391	6.1	5 063	6.6
Putnam -----	644	4.2	2 500	3.9	308	10.1	546	10.0	499	6.4	3 267	4.8
Randolph -----	729	4.2	3 451	7.8	391	9.5	1 344	20.5	537	6.6	5 297	7.7
Ripley -----	838	3.2	2 484	4.9	346	9.4	367	12.1	517	6.7	2 946	7.4
Rush -----	699	3.7	4 333	2.9	297	10.8	790	13.2	447	7.4	5 856	6.7
St. Joseph -----	629	4.5	3 651	6.6	228	13.8	331	10.9	325	9.1	3 303	7.4
Scott -----	284	6.3	516	11.4	141	15.4	248	20.8	150	13.8	1 147	12.0
Shelby -----	618	4.0	3 731	5.0	303	10.1	470	8.6	377	7.7	3 456	4.7
Spencer -----	639	3.7	2 619	4.9	269	10.0	394	10.4	391	6.5	2 770	7.0
Starke -----	307	6.6	1 537	4.1	118	21.1	439	17.9	165	15.5	1 695	7.5
Steuben -----	429	4.7	1 930	8.2	176	14.8	321	14.9	294	9.6	1 953	8.3
Sullivan -----	468	4.6	2 533	4.3	165	13.0	342	15.6	316	7.8	3 010	6.2
Switzerland -----	560	4.7	1 188	6.6	154	18.1	137	21.1	289	10.4	1 200	13.0
Tippecanoe -----	612	4.2	4 015	3.6	273	11.0	774	7.6	425	7.2	4 549	7.1
Tipton -----	386	4.4	2 906	3.5	213	10.0	993	6.8	282	7.3	3 858	7.0
Union -----	261	2.5	1 233	10.5	124	14.5	399	36.3	185	8.7	1 335	8.0
Vanderburgh -----	278	3.8	1 462	7.0	101	18.3	174	19.6	163	11.6	1 220	6.8
Vermillion -----	259	5.3	1 591	5.4	125	13.9	508	5.1	138	11.8	1 663	12.1
Vigo -----	467	4.3	2 169	3.7	114	18.2	141	11.9	238	10.9	1 877	12.1
Wabash -----	665	3.8	4 165	4.5	334	9.2	923	7.2	507	5.2	5 060	3.9
Warren -----	363	5.0	2 183	4.7	171	11.4	523	16.5	270	8.0	3 247	5.5
Warwick -----	336	5.2	1 113	9.3	189	13.3	325	20.3	183	12.3	1 250	13.1
Washington -----	814	3.0	2 289	5.0	333	9.9	478	24.3	505	6.9	2 709	6.3
Wayne -----	692	3.8	3 350	7.8	426	7.6	760	14.3	431	6.8	3 416	7.9
Wells -----	583	4.1	2 734	6.3	292	9.4	480	12.2	446	6.1	4 595	7.5
White -----	629	3.1	4 542	5.9	356	7.6	1 085	10.8	449	6.7	6 244	2.6
Whitley -----	635	3.2	2 378	4.1	241	10.9	425	8.1	429	6.8	3 657	6.3
Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
<b>Indiana -----</b>	<b>17 403</b>	<b>1.7</b>	<b>289 120</b>	<b>1.1</b>	<b>59 616</b>	<b>1.2</b>	<b>122 746</b>	<b>1.1</b>	<b>57 862</b>	<b>1.3</b>	<b>295 874</b>	<b>.8</b>
Adams -----	293	9.5	4 756	4.8	1 065	2.1	2 311	3.8	1 037	2.3	4 214	2.7
Allen -----	263	12.5	3 322	7.7	1 352	2.3	2 421	4.3	1 316	2.6	4 044	4.0
Bartholomew -----	217	10.7	3 573	13.5	600	2.6	1 112	6.5	582	3.0	2 679	3.6
Benton -----	204	11.0	6 297	7.1	474	3.2	1 315	7.3	498	1.9	4 493	9.6
Blackford -----	78	14.9	1 508	5.5	265	2.7	707	5.0	266	2.6	1 548	3.3
Boone -----	247	9.1	7 705	5.0	685	2.0	1 994	5.7	640	2.6	4 464	6.5
Brown -----	27	32.0	67	18.3	167	1.4	.86	13.2	159	4.1	213	13.5
Carroll -----	256	6.5	8 996	3.9	628	2.1	2 020	3.8	611	2.8	6 386	1.9
Cass -----	301	8.1	6 894	3.7	775	2.1	1 842	5.5	766	2.0	3 532	4.1
Clark -----	140	14.8	1 204	10.2	602	2.6	1 100	5.9	585	2.7	1 529	5.2
Clay -----	92	19.2	1 832	16.4	538	2.9	1 012	5.5	524	2.7	2 505	8.5
Clinton -----	284	8.4	6 745	4.2	622	2.4	1 982	3.3	624	2.6	5 214	2.6
Crawford -----	10	60.2	18	30.0	378	1.5	411	9.0	315	5.2	716	8.7
Davies -----	202	10.8	2 138	3.0	1 153	1.6	1 891	4.0	1 131	2.0	5 369	3.5
Dearborn -----	138	13.9	292	18.6	720	1.7	791	5.9	688	2.4	746	6.8
Decatur -----	225	8.1	6 274	6.2	675	2.8	1 171	4.0	683	3.1	3 524	4.3
De Kalb -----	114	14.8	1 261	8.3	659	1.6	1 474	4.8	624	2.6	2 158	5.7
Delaware -----	222	11.3	4 954	6.7	663	2.2	1 397	5.5	630	3.3	3 079	3.7
Dubois -----	193	12.4	1 632	7.4	895	2.0	2 147	2.9	892	1.9	6 797	2.6
Elskhart -----	450	8.6	4 733	11.9	1 393	1.8	2 443	3.4	1 290	2.4	6 364	6.5
Fayette -----	108	16.3	1 375	10.0	452	2.0	887	6.7	434	3.1	1 486	5.6
Floyd -----	61	28.4	135	16.4	335	1.1	346	9.6	306	4.9	329	17.9
Fountain -----	185	11.3	3 743	9.8	588	3.1	1 200	6.3	572	3.5	3 421	9.8
Franklin -----	223	12.1	1 442	13.9	772	3.0	1 100	5.7	813	2.2	1 959	5.8
Fulton -----	235	9.9	3 947	4.4	668	2.6	1 640	4.2	652	3.3	3 153	2.7
Gibson -----	157	11.7	3 843	6.5	679	2.3	1 518	5.4	673	2.3	3 550	4.4
Grant -----	294	7.2	5 343	4.2	569	3.1	1 709	5.9	562	3.2	3 027	2.6
Greene -----	114	17.0	913	23.8	926	1.8	1 379	5.6	872	2.4	2 103	6.9
Hamilton -----	206	11.5	4 233	6.4	588	3.2	1 665	6.1	568	3.3	2 834	4.3

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-21

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Farm production expenses <sup>1</sup> —Con.											
	Cash rent				Property taxes paid				All other farm production expenses			
	Farms		Value		Farms		Value		Farms		Value	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Hancock -----	238	11.0	4 974	4.3	569	3.8	1 133	7.3	547	3.9	2 517	3.1
Harrison -----	192	12.9	1 278	16.9	1 136	1.5	1 339	4.8	1 038	2.6	4 432	2.0
Hendricks -----	243	12.4	4 773	4.4	738	2.6	1 326	5.3	690	3.1	3 227	3.2
Henry -----	278	9.1	4 934	7.0	833	1.8	1 526	5.9	806	2.3	3 399	4.5
Howard -----	251	10.1	5 292	12.1	521	2.9	1 344	5.2	516	2.7	3 473	4.4
Huntington -----	190	9.9	3 321	7.2	654	2.0	1 364	5.3	644	2.8	2 974	3.3
Jackson -----	260	11.2	2 323	8.5	821	2.4	1 346	7.3	795	2.6	5 974	1.7
Jasper -----	276	7.7	6 666	4.2	669	2.5	1 603	4.1	652	2.9	6 413	1.6
Jay -----	209	13.3	2 558	9.1	815	2.3	1 667	4.9	777	2.8	4 148	2.8
Jefferson -----	152	12.8	1 194	11.6	866	2.6	1 110	5.7	833	3.0	1 750	7.1
Jennings -----	163	13.9	1 607	10.6	642	2.3	1 062	14.9	578	3.5	3 368	2.4
Johnson -----	231	8.9	3 793	6.8	521	3.7	924	5.1	517	3.6	2 202	2.9
Knox -----	266	10.4	5 214	7.0	637	2.9	1 990	3.5	651	2.5	7 068	1.5
Kosciusko -----	347	9.5	4 485	6.0	1 113	1.1	2 715	3.9	1 043	2.2	11 536	2.4
Lagrange -----	324	10.0	3 050	7.9	1 337	1.6	2 300	3.8	1 314	1.7	5 611	2.3
Lake -----	170	13.5	3 958	15.0	434	3.7	1 355	6.2	449	3.0	2 127	3.0
La Porte -----	303	8.6	6 766	4.6	775	2.3	2 189	4.7	767	2.4	4 560	2.8
Lawrence -----	92	21.2	456	10.7	837	1.6	1 086	5.6	744	3.6	1 442	5.8
Madison -----	305	7.5	5 919	7.7	805	1.9	1 997	6.1	796	2.2	5 308	2.9
Marion -----	63	18.1	1 604	14.8	257	3.8	450	8.7	243	5.6	1 761	3.0
Marshall -----	336	8.4	3 662	5.2	906	2.4	2 199	5.3	893	2.3	3 295	3.1
Martin -----	61	25.0	439	10.8	357	3.4	598	9.2	339	4.7	1 238	4.4
Miami -----	239	10.8	4 416	5.3	754	1.9	1 780	4.8	719	2.8	3 811	3.3
Monroe -----	52	29.0	88	24.6	508	1.1	575	7.9	475	3.3	1 134	7.6
Montgomery -----	238	10.1	6 112	3.4	718	2.3	2 309	4.8	753	1.4	4 722	4.2
Morgan -----	162	13.4	2 004	4.1	616	2.5	872	6.7	588	3.3	2 097	4.9
Newton -----	136	13.7	3 809	9.5	365	3.0	1 209	11.0	378	2.6	6 127	2.4
Noble -----	193	12.0	2 377	9.9	960	2.1	1 685	4.3	932	2.3	3 119	4.5
Ohio -----	18	38.9	135	8.9	262	2.4	215	11.3	242	5.8	390	30.5
Orange -----	48	19.5	355	13.9	513	2.5	600	5.8	490	3.3	1 118	6.7
Owen -----	48	35.5	457	25.9	617	1.8	782	9.7	556	3.5	977	9.7
Parke -----	151	7.2	2 285	5.0	472	2.3	1 180	4.3	432	4.0	1 749	3.9
Perry -----	73	22.8	347	6.7	464	2.6	625	13.4	419	4.4	912	11.6
Pike -----	114	18.1	710	16.8	288	4.1	360	8.6	290	4.3	1 172	6.6
Porter -----	197	13.1	3 479	16.7	468	3.4	1 069	5.3	466	2.8	2 122	4.5
Posey -----	163	12.2	2 876	10.6	435	3.9	1 178	6.3	462	2.4	3 143	2.1
Pulaski -----	245	8.4	5 825	3.7	574	2.9	1 879	6.5	581	2.5	5 853	2.7
Putnam -----	214	11.9	3 271	4.8	784	2.8	1 623	5.0	759	3.1	2 562	3.8
Randolph -----	256	9.7	3 297	10.6	860	2.9	1 708	6.1	903	2.3	4 014	3.2
Ripley -----	271	10.3	2 132	7.8	951	1.3	1 328	4.0	881	2.4	2 289	5.7
Rush -----	283	9.7	5 920	6.1	727	3.2	1 834	5.0	742	3.0	3 744	3.1
St. Joseph -----	309	9.7	4 052	6.5	730	2.4	2 231	8.3	682	3.5	3 830	7.6
Scott -----	73	19.0	550	20.2	338	3.3	505	6.3	335	3.7	701	8.7
Shelby -----	356	7.9	6 384	6.5	666	3.4	1 240	4.5	677	3.0	2 867	3.5
Spencer -----	158	13.4	1 709	12.0	693	2.5	1 091	7.8	698	2.3	2 458	3.6
Starke -----	123	17.7	1 692	7.9	362	4.4	1 000	7.8	350	4.6	1 833	3.0
Steuben -----	180	11.3	1 436	14.8	461	3.7	844	6.2	457	3.6	1 933	6.9
Sullivan -----	140	11.9	1 542	10.8	504	3.0	1 390	5.4	526	2.6	2 346	3.1
Switzerland -----	75	24.1	480	17.8	633	2.6	645	9.0	525	5.6	1 117	7.6
Tippecanoe -----	249	10.0	4 406	6.9	740	2.3	1 714	6.5	710	3.0	5 554	2.1
Tipton -----	224	8.2	5 903	4.9	426	2.4	1 309	5.6	411	3.0	3 417	1.9
Union -----	82	17.7	1 934	20.4	260	2.3	466	4.0	267	1.7	1 535	26.1
Vanderburgh -----	99	16.1	992	5.9	294	2.5	662	7.3	295	2.5	981	7.5
Vermillion -----	68	18.0	2 893	3.2	298	2.4	719	4.5	296	2.6	1 734	4.1
Vigo -----	84	18.0	789	6.5	517	2.1	1 053	5.9	497	3.3	2 004	2.2
Wabash -----	212	10.2	4 201	8.0	766	2.4	1 797	3.1	769	2.3	7 127	1.3
Warren -----	146	10.3	3 279	8.3	404	3.2	968	5.2	411	2.3	2 738	4.6
Warrick -----	151	15.8	1 169	17.2	343	4.7	707	8.4	346	4.2	1 047	11.9
Washington -----	136	11.5	1 332	10.4	897	2.1	1 340	4.4	860	2.5	3 382	8.0
Wayne -----	236	11.5	3 361	10.0	746	3.3	1 615	4.9	762	2.9	6 208	6.3
Wells -----	257	8.4	4 692	9.7	690	2.1	1 489	5.8	646	2.7	3 137	5.1
White -----	226	10.2	6 383	6.4	647	3.3	1 904	4.6	673	2.3	7 050	3.7
Whitley -----	229	9.3	2 601	10.1	736	1.8	1 558	4.4	656	2.9	2 565	4.5
Geographic area	Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup>				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	
	Indiana -----	62 772	1.2	961 902	1.0	58 117	1.2	13 366 034	.8	54 252	1.2	11 834 675
Adams -----	1 099	1.7	15 470	5.3	1 012	1.4	181 238	1.1	961	1.4	165 650	1.1
Allen -----	1 462	1.6	20 315	6.0	1 374	1.4	257 177	1.2	1 312	1.4	236 106	1.2
Bartholomew -----	644	1.2	12 672	8.0	596	1.0	146 410	1.0	554	1.1	132 676	1.1
Benton -----	498	1.9	16 926	7.6	480	1.5	259 306	1.1	477	1.6	242 088	1.1

See footnotes at end of table.

## C-22 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup>				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Blackford -----	273	1.2	4 103	12.1	256	1.3	78 919	1.3	241	1.4	70 367	1.3
Boone -----	710	1.1	18 582	7.7	640	1.0	209 085	.7	602	1.0	197 642	.7
Brown -----	167	1.4	(D)	(D)	152	1.2	12 756	2.2	137	1.4	8 364	2.5
Carroll -----	659	1.1	20 448	3.9	582	1.1	202 266	.6	553	1.1	188 695	.6
Cass -----	803	1.1	15 059	5.2	730	1.1	206 352	.8	686	1.1	188 877	.8
Clark -----	643	.9	2 290	17.0	599	1.0	72 682	1.0	536	1.1	55 071	1.1
Clay -----	567	1.6	11 490	8.0	539	1.5	139 934	1.3	509	1.5	128 286	1.4
Clinton -----	676	1.2	20 920	3.8	609	1.1	222 408	.7	592	1.1	212 663	.8
Crawford -----	382	1.2	(D)	(D)	352	1.1	29 532	1.8	297	1.3	12 356	1.8
Davies -----	1 184	1.4	21 944	6.3	1 072	1.3	194 408	1.1	997	1.3	164 493	1.1
Dearborn -----	739	1.2	590	64.1	695	.9	45 770	1.4	640	1.0	29 073	1.6
Decatur -----	732	1.6	16 018	5.6	672	1.5	178 292	1.1	648	1.5	160 939	1.1
De Kalb -----	670	1.2	6 782	8.3	631	1.1	131 593	.9	605	1.1	109 403	.9
Delaware -----	688	1.1	6 819	8.1	645	.9	156 387	.9	607	1.0	144 637	.9
Dubois -----	924	1.0	17 441	3.4	827	1.0	144 804	.9	758	1.1	117 183	.9
Elkhart -----	1 445	1.4	18 407	5.8	1 269	1.3	166 285	1.3	1 131	1.4	148 216	1.3
Fayette -----	457	2.0	5 576	16.0	420	1.8	87 781	1.9	399	1.9	73 585	1.9
Floyd -----	335	1.1	(D)	(D)	318	.8	19 739	2.1	279	1.0	11 671	2.7
Fountain -----	632	1.8	15 257	8.3	570	1.4	198 894	1.2	539	1.4	177 749	1.2
Franklin -----	851	1.1	7 814	9.9	804	1.0	100 747	1.2	753	1.0	79 339	1.3
Fulton -----	691	1.8	7 743	9.3	664	1.9	174 524	1.3	615	2.0	153 531	1.3
Gibson -----	719	1.1	19 939	3.6	663	1.0	218 182	.8	628	1.0	202 153	.8
Grant -----	632	1.1	12 537	4.4	589	1.1	182 737	.8	562	1.1	173 700	.8
Greene -----	957	1.2	8 581	11.3	894	1.1	149 379	1.3	815	1.1	117 268	1.4
Hamilton -----	648	1.1	12 421	7.6	606	1.2	148 601	1.1	564	1.3	139 593	1.1
Hancock -----	627	1.3	11 127	6.6	574	1.4	153 178	1.0	538	1.5	146 574	.9
Harrison -----	1 166	1.0	4 581	10.2	1 089	.9	103 932	1.2	969	1.0	69 454	1.3
Hendricks -----	790	1.2	10 690	6.9	735	1.3	170 726	1.2	694	1.4	156 136	1.3
Henry -----	849	1.4	9 013	7.6	776	1.3	172 256	1.3	731	1.3	156 826	1.3
Howard -----	565	1.2	14 260	8.9	532	1.1	136 754	1.0	510	1.2	130 765	1.0
Huntington -----	701	1.0	11 324	6.3	656	1.0	170 016	1.0	627	1.0	158 091	1.0
Jackson -----	849	1.5	11 495	9.1	784	1.3	160 273	1.2	714	1.4	134 951	1.2
Jasper -----	720	1.4	21 727	3.1	659	1.4	275 947	1.0	632	1.4	251 579	1.0
Jay -----	852	1.3	9 672	11.8	814	1.4	163 094	1.3	772	1.4	141 532	1.3
Jefferson -----	914	1.9	3 196	18.8	874	1.7	84 756	1.9	841	1.8	62 010	1.9
Jennings -----	658	1.6	5 018	12.9	596	1.4	87 874	1.5	537	1.5	72 548	1.6
Johnson -----	587	1.4	11 076	4.0	518	1.3	123 768	1.1	484	1.4	115 788	1.1
Knox -----	689	1.3	26 770	3.6	641	1.2	278 985	.7	614	1.2	258 958	.7
Kosciusko -----	1 124	.9	14 260	6.4	1 041	.8	219 795	.7	939	.9	192 885	.8
Lagrange -----	1 391	1.0	21 467	4.3	1 276	1.1	156 515	.9	1 118	1.1	127 426	.9
Lake -----	482	1.2	6 049	7.7	452	1.1	133 828	1.0	430	1.1	122 190	1.0
La Porte -----	828	1.3	14 211	6.9	782	1.3	246 638	.9	743	1.3	225 617	.9
Lawrence -----	851	1.2	1 264	50.1	771	1.1	94 715	1.5	662	1.2	54 883	1.5
Madison -----	847	.9	12 764	6.2	790	.9	207 382	.7	750	.9	195 829	.7
Marion -----	274	1.8	5 575	5.4	237	1.4	34 281	2.3	217	1.5	30 923	2.5
Marshall -----	958	1.1	13 592	6.5	895	1.5	194 694	1.2	827	1.5	174 005	1.2
Martin -----	374	1.9	3 343	8.2	320	1.7	45 506	1.7	277	1.8	31 723	1.8
Miami -----	771	1.0	12 840	6.5	718	1.2	169 587	1.1	678	1.2	154 087	1.1
Monroe -----	508	1.1	(D)	(D)	455	1.1	34 325	1.8	400	1.3	20 576	1.9
Montgomery -----	763	1.0	23 922	4.5	685	1.0	256 636	.7	651	1.0	239 689	.7
Morgan -----	647	1.5	5 390	11.3	589	1.3	114 588	1.3	529	1.4	101 624	1.3
Newton -----	392	1.5	16 153	5.1	354	1.2	192 439	.7	348	1.2	180 048	.7
Noble -----	995	1.5	11 098	6.2	958	1.3	154 213	1.5	909	1.4	130 174	1.5
Ohio -----	267	1.7	(D)	(D)	259	1.4	17 930	1.8	245	1.5	10 216	2.0
Orange -----	523	1.6	2 279	31.7	493	1.4	74 843	1.6	438	1.5	47 342	1.5
Owen -----	623	1.6	3 168	21.0	569	1.1	71 619	1.6	512	1.2	54 535	1.7
Parke -----	491	1.2	9 500	9.4	462	1.3	138 864	1.0	446	1.4	122 563	1.0
Perry -----	485	1.1	549	59.7	454	.9	44 459	1.6	404	1.0	27 895	1.9
Pike -----	311	1.4	4 716	23.7	277	1.0	70 293	1.2	254	1.2	61 908	1.2
Porter -----	496	1.7	7 161	8.1	472	1.3	131 745	1.5	446	1.4	121 941	1.5
Posey -----	489	1.5	20 711	4.4	463	1.1	197 403	.7	447	1.1	184 612	.7
Pulaski -----	630	1.2	14 441	6.3	589	1.0	221 473	.8	564	1.1	204 381	.8
Putnam -----	825	1.6	5 652	14.4	742	1.1	161 174	.8	669	1.2	137 295	.9
Randolph -----	937	2.0	13 449	9.4	868	1.3	213 645	1.2	825	1.3	196 230	1.2
Ripley -----	962	1.2	5 358	12.3	906	1.2	122 652	1.4	858	1.3	102 969	1.4
Rush -----	761	2.5	14 168	5.6	703	2.3	211 364	1.6	683	2.3	196 938	1.7
St. Joseph -----	767	1.3	6 717	11.1	718	1.2	157 146	1.0	685	1.2	143 636	1.1
Scott -----	358	1.4	1 582	25.0	332	1.0	45 846	1.3	299	1.2	35 368	1.5
Shelby -----	747	1.3	18 808	6.3	696	1.4	202 249	1.2	668	1.4	189 031	1.2
Spencer -----	727	1.5	11 231	7.2	681	1.5	142 648	1.2	636	1.5	119 355	1.2
Starke -----	385	2.2	3 608	11.8	365	1.5	118 216	1.2	345	1.6	105 299	1.1
Steuben -----	500	1.2	3 704	17.8	483	1.5	99 044	1.6	440	1.5	75 787	1.6
Sullivan -----	544	1.5	12 719	6.5	494	1.3	157 967	.9	465	1.3	143 492	.9
Switzerland -----	653	1.7	2 480	18.1	627	1.4	40 760	2.3	609	1.5	23 228	2.4
Tippecanoe -----	791	1.1	17 145	4.9	729	1.0	236 286	.7	690	1.0	218 203	.7
Tipton -----	449	1.2	14 014	4.4	422	1.0	149 830	.7	414	1.0	144 554	.7
Union -----	267	1.7	6 729	10.6	253	1.6	68 644	1.6	244	1.6	60 422	1.6
Vanderburgh -----	304	1.2	6 457	9.6	285	1.1	74 580	1.2	267	1.3	70 536	1.2
Vermillion -----	308	1.1	6 939	7.2	282	1.0	101 816	.9	272	1.1	92 223	.9
Vigo -----	536	1.0	6 408	9.6	499	1.0	127 415	.9	464	1.0	114 810	1.0

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-23

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Net cash return from agricultural sales for the farm unit (see text) <sup>1</sup>				Total cropland				Harvested cropland			
	Farms		Value		Farms		Acres		Farms		Acres	
	Number	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Wabash-----	810	1.3	13 808	6.2	728	1.1	174 436	.8	690	1.1	156 217	.8
Warren-----	435	1.4	13 287	5.2	400	1.0	181 299	.7	379	1.0	163 621	.8
Warrick-----	391	1.4	2 615	36.9	365	1.2	80 728	1.6	340	1.3	71 863	1.7
Washington-----	936	1.3	4 740	15.9	870	1.2	127 766	1.3	780	1.3	86 062	1.3
Wayne-----	828	1.2	10 762	4.1	771	1.2	159 224	1.1	692	1.3	135 819	1.1
Wells-----	722	1.1	11 870	5.1	689	1.0	184 093	1.0	672	1.0	173 751	1.0
White-----	697	1.6	26 303	3.3	635	1.3	264 337	.9	612	1.4	243 928	.9
Whitley-----	758	1.1	6 228	10.1	705	1.2	141 351	1.0	660	1.2	120 380	.9
Irrigated land												
Geographic area	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
	Farms		Acres		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Indiana-----	1 742	1.0	240 898	.6	25 974	1.1	1 113 473	.9	16 783	1.1	293 836	1.1
Adams-----	11	8.5	90	5.7	435	1.8	18 855	1.7	41	4.7	333	6.1
Allen-----	34	4.9	1 716	1.6	423	1.9	18 682	2.3	109	2.9	1 330	4.6
Bartholomew-----	24	3.8	3 397	.6	262	1.6	8 334	1.6	189	2.0	2 706	2.1
Benton-----	1	-	(D)	(D)	86	3.1	3 944	2.6	73	3.5	1 900	3.5
Blackford-----	1	31.6	(D)	(D)	59	3.7	2 039	3.0	39	4.6	540	3.9
Boone-----	11	8.2	26	11.9	221	1.9	7 636	2.3	153	2.3	2 559	3.3
Brown-----	-	-	-	-	87	2.3	2 436	3.2	78	2.5	(D)	(D)
Carroll-----	9	7.9	333	1.2	181	2.0	7 562	1.4	109	2.6	1 731	2.5
Cass-----	25	4.8	3 320	3.8	260	1.8	12 891	1.8	174	2.3	2 997	2.8
Clark-----	20	5.4	519	10.2	350	1.3	14 190	1.3	313	1.5	6 435	1.6
Clay-----	5	11.3	35	17.1	225	2.1	7 887	2.5	178	2.4	2 665	2.9
Clinton-----	1	-	(D)	(D)	154	2.1	5 570	3.9	114	2.5	2 048	6.3
Crawford-----	6	11.9	(D)	(D)	288	1.3	9 454	2.1	234	1.5	4 628	3.1
Daviess-----	16	6.8	1 506	15.1	621	1.6	25 393	2.4	269	2.0	4 995	2.6
Dearborn-----	7	9.1	23	13.6	485	1.1	12 315	1.8	411	1.3	5 192	1.7
Decatur-----	4	13.5	9	21.3	324	1.7	20 550	1.2	184	2.4	3 978	2.2
De Kalb-----	8	10.5	119	23.2	187	2.0	10 426	1.7	69	3.5	564	5.0
Delaware-----	9	7.8	125	12.1	204	1.9	6 164	2.0	124	2.5	1 398	3.4
Dubois-----	15	5.4	526	1.6	502	1.2	26 862	1.3	390	1.5	8 868	1.7
Elkhart-----	124	2.2	20 830	1.9	798	1.5	45 988	1.5	126	2.6	1 430	3.1
Fayette-----	4	16.1	44	22.6	245	2.1	10 158	2.7	187	2.3	3 812	3.2
Floyd-----	12	7.6	39	13.9	196	1.4	4 608	3.0	173	1.6	2 102	2.8
Fountain-----	7	10.9	584	11.9	271	1.9	11 224	2.0	224	2.1	4 334	2.6
Franklin-----	7	11.8	27	18.3	500	1.2	18 078	1.8	371	1.5	5 223	2.3
Fulton-----	45	2.6	12 003	1.3	260	2.2	12 173	2.2	134	3.1	2 444	4.9
Gibson-----	21	5.0	686	4.9	193	1.9	7 420	1.9	143	2.3	2 379	2.8
Grant-----	3	17.7	3	17.7	153	2.1	6 000	1.4	91	3.0	921	3.4
Greene-----	5	13.6	57	7.3	561	1.2	22 214	1.4	466	1.4	9 077	1.7
Hamilton-----	18	6.7	248	3.5	182	2.0	5 780	1.7	128	2.4	1 803	2.7
Hancock-----	16	7.4	118	12.1	169	2.7	4 683	4.1	127	3.0	1 710	5.1
Harrison-----	18	7.5	119	10.9	748	1.2	25 505	1.5	624	1.3	10 397	1.9
Hendricks-----	5	12.2	11	13.8	292	1.9	7 743	2.0	215	2.3	3 042	2.4
Henry-----	11	8.3	235	7.4	372	1.6	14 626	1.3	256	1.9	4 243	2.0
Howard-----	9	9.1	12	10.8	162	2.5	8 218	1.8	92	3.1	1 735	2.6
Huntington-----	6	7.4	(D)	(D)	183	2.0	7 550	1.7	112	2.6	1 792	4.6
Jackson-----	13	7.0	377	1.8	437	1.5	21 726	1.5	318	1.7	5 324	2.2
Jasper-----	61	2.9	14 616	2.0	166	2.3	13 040	1.0	125	2.8	2 470	3.0
Jay-----	8	8.6	195	17.6	280	1.9	11 122	2.3	112	2.7	1 138	3.3
Jefferson-----	11	9.8	228	1.5	442	2.0	13 212	2.2	376	2.1	5 538	2.4
Jennings-----	5	14.3	5	14.3	351	1.6	10 404	2.1	280	1.9	4 246	2.8
Johnson-----	9	11.0	807	3.4	227	1.8	10 059	1.4	154	2.3	2 392	2.6
Knox-----	62	2.7	9 278	1.8	229	1.8	13 295	1.6	158	2.2	4 188	2.1
Kosciusko-----	61	2.5	13 384	2.1	425	1.2	32 121	.8	178	2.0	3 624	2.1
Lagrange-----	97	2.2	26 023	1.1	967	1.2	41 933	1.3	93	2.8	1 148	3.2
Lake-----	36	3.8	6 881	1.8	116	2.5	3 965	2.8	65	3.5	768	4.4
La Porte-----	113	2.1	25 922	1.5	244	2.0	21 146	.9	114	3.2	2 530	2.4
Lawrence-----	5	9.2	(D)	(D)	591	1.3	26 499	1.7	509	1.4	12 716	1.8
Madison-----	12	6.7	443	1.7	249	1.6	9 366	1.6	186	1.8	2 783	2.3
Marion-----	39	3.4	370	2.3	70	3.8	2 214	3.8	53	4.5	(D)	(D)
Marshall-----	40	3.2	7 006	2.0	362	1.9	20 384	1.8	140	2.8	2 522	2.9
Martin-----	-	-	-	-	246	2.0	9 578	2.7	203	2.1	3 758	2.9
Miami-----	23	5.0	2 806	6.6	263	1.7	15 322	1.4	132	2.6	1 820	3.0
Monroe-----	11	7.2	118	15.0	323	1.5	9 819	2.4	279	1.6	4 459	2.4
Montgomery-----	5	8.9	(D)	(D)	267	1.6	12 894	1.5	209	1.8	4 534	2.1
Morgan-----	8	13.4	63	15.0	297	1.8	10 904	2.2	260	1.9	4 744	2.8
Newton-----	19	-	6 386	-	119	2.4	8 698	1.7	99	2.7	(D)	(D)
Noble-----	27	5.0	5 114	2.0	366	1.8	14 655	1.9	135	2.8	1 488	3.0
Ohio-----	8	11.8	15	16.0	152	2.2	4 574	2.8	140	2.3	2 194	3.0
Orange-----	2	18.3	(D)	(D)	324	1.7	13 016	2.2	273	1.8	5 605	2.5

See footnotes at end of table.

## C-24 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Irrigated land				Livestock and poultry							
	Farms		Acres		Cattle and calves inventory				Beef cows inventory			
					Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Owen -----	6	11.1	31	24.1	360	1.4	12 766	1.4	295	1.5	6 109	1.4
Parke -----	8	11.8	125	12.8	208	2.0	7 658	1.7	175	2.2	3 382	1.8
Perry -----	2	25.6	(D)	(D)	356	1.1	10 846	1.4	315	1.2	5 012	1.5
Pike -----	1	—	(D)	(D)	114	2.1	3 903	2.6	96	2.4	(D)	(D)
Porter -----	44	3.8	6 625	2.2	155	2.2	4 680	3.0	105	2.8	1 300	3.7
Posey -----	7	—	1 262	—	111	2.7	5 168	3.3	73	3.3	1 392	2.9
Pulaski -----	58	2.5	15 237	1.8	167	2.1	7 105	2.1	107	2.7	1 742	3.3
Putnam -----	8	12.2	58	17.0	445	1.4	15 203	1.2	368	1.5	6 146	1.5
Randolph -----	6	15.2	35	16.4	303	1.7	11 531	1.7	180	2.1	2 283	2.4
Ripley -----	12	7.7	247	12.6	453	1.5	16 618	2.1	347	1.7	5 638	2.8
Rush -----	2	15.5	(D)	(D)	293	2.3	15 351	2.3	151	2.9	3 253	3.6
St. Joseph -----	85	2.8	18 295	1.3	215	2.0	8 771	1.9	83	3.3	993	3.3
Scott -----	3	16.7	5	15.4	197	1.7	5 375	2.3	175	1.9	2 639	2.5
Shelby -----	18	5.4	1 606	2.0	252	1.9	9 266	2.0	167	2.4	2 540	2.8
Spencer -----	7	9.5	(D)	(D)	370	1.7	16 784	1.9	306	1.9	7 120	2.2
Starke -----	55	3.3	12 238	1.2	65	3.4	2 924	2.4	32	5.2	658	4.3
Steuben -----	18	5.8	1 661	4.8	216	2.3	11 020	2.4	89	3.5	1 132	3.6
Sullivan -----	24	4.8	3 603	2.9	177	2.1	6 118	1.8	143	2.4	2 362	2.8
Switzerland -----	14	9.3	71	14.6	324	1.9	8 944	2.8	265	2.0	4 076	3.0
Tippecanoe -----	33	4.2	2 294	1.9	255	1.7	9 490	1.6	193	2.0	4 189	1.6
Tipton -----	3	22.0	(D)	(D)	71	2.9	3 835	1.8	40	4.0	(D)	(D)
Union -----	3	15.4	3	15.4	139	2.0	6 962	2.6	95	2.6	2 055	3.0
Vanderburgh -----	12	6.9	(D)	(D)	87	2.9	2 639	3.3	48	4.2	714	3.5
Vermillion -----	5	12.1	316	1.5	120	2.1	4 726	2.7	100	2.5	1 889	2.4
Vigo -----	16	5.6	1 245	2.9	172	2.1	3 818	2.8	140	2.3	1 438	2.7
Wabash -----	23	4.3	1 169	2.5	244	1.6	28 052	.7	86	3.0	1 801	2.3
Warren -----	5	10.3	(D)	(D)	146	1.8	6 189	1.9	131	1.9	3 389	2.0
Warrick -----	7	10.3	48	17.4	142	2.1	4 647	2.7	112	2.5	1 896	3.3
Washington -----	9	10.5	155	22.1	618	1.4	30 124	1.4	494	1.5	11 025	1.8
Wayne -----	16	5.6	303	2.7	440	1.5	19 831	1.7	288	1.9	5 116	2.2
Wells -----	7	9.6	67	26.6	144	2.1	9 514	1.6	43	3.8	586	6.7
White -----	21	4.4	3 322	3.1	200	2.0	8 636	1.9	147	2.3	2 962	2.1
Whitley -----	11	7.9	873	1.0	263	1.8	11 875	1.5	83	3.0	1 080	2.6
Livestock and poultry —Con.												
Geographic area	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory			
	Farms		Total		Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
	Indiana -----	3 958	1.4	144 532	1.0	11 987	1.3	4 618 663	.6	2 553	1.3	72 386
Adams -----	285	2.2	6 613	1.9	359	1.9	102 537	1.3	45	4.5	1 905	4.6
Allen -----	158	2.5	3 195	2.0	282	2.1	77 313	1.8	64	4.0	1 356	6.3
Bartholomew -----	19	4.5	791	3.5	127	2.2	39 780	1.5	31	4.5	668	5.8
Benton -----	6	8.7	136	3.0	42	4.3	17 393	4.3	9	11.4	825	15.6
Blackford -----	5	11.6	146	9.6	49	3.6	30 690	1.3	18	7.1	243	8.0
Boone -----	15	6.7	767	5.8	150	1.9	72 907	.7	38	5.1	667	10.8
Brown -----	3	13.0	(D)	(D)	21	5.3	2 529	6.4	5	13.5	156	18.9
Carroll -----	11	9.1	291	12.3	227	1.5	228 612	.5	45	4.7	1 311	6.7
Cass -----	26	5.4	1 429	2.9	193	1.9	93 437	1.0	52	4.2	1 829	5.9
Clark -----	20	4.5	899	2.5	50	3.2	6 936	2.4	19	7.2	397	9.0
Clay -----	20	6.3	939	4.1	87	3.2	23 505	2.8	13	8.7	390	11.3
Clinton -----	7	10.2	58	9.1	179	1.6	176 978	.5	48	4.6	1 183	6.5
Crawford -----	25	5.5	399	5.6	31	5.6	1 790	7.3	8	11.2	185	16.6
Daviess -----	255	2.2	2 866	2.5	427	1.8	153 672	1.5	40	5.5	603	11.4
Dearborn -----	17	5.4	550	3.0	50	3.5	3 823	4.8	14	7.3	262	9.3
Decatur -----	28	4.4	1 635	3.0	239	1.9	139 946	1.0	26	6.0	877	5.6
De Kalb -----	49	3.2	3 312	1.8	97	3.3	22 790	2.5	23	6.6	784	10.9
Delaware -----	18	6.3	750	4.5	79	2.8	32 499	1.2	36	4.6	737	6.5
Dubois -----	36	3.3	3 030	1.7	303	1.5	141 019	.8	22	6.9	592	8.6
Elkhart -----	404	2.0	17 476	1.5	331	2.1	75 212	2.0	73	4.0	1 446	6.3
Fayette -----	17	8.1	795	8.2	138	2.9	57 491	2.3	24	7.1	451	7.8
Floyd -----	7	10.7	162	15.5	25	5.2	995	4.2	4	16.3	107	18.8
Fountain -----	10	8.9	159	13.3	82	3.6	27 395	2.1	24	6.2	562	8.2
Franklin -----	44	3.7	2 235	3.2	214	1.9	71 563	1.9	32	4.9	598	5.9
Fulton -----	45	3.9	2 406	3.2	164	2.3	48 331	1.5	35	5.5	1 118	7.3
Gibson -----	23	4.3	1 077	2.8	100	2.5	40 612	1.3	10	10.3	306	17.7
Grant -----	15	6.2	1 008	2.5	129	2.0	51 106	1.2	24	5.1	492	7.8
Greene -----	34	4.5	1 592	2.8	112	3.0	27 742	2.3	24	6.2	1 298	8.6
Hamilton -----	12	5.1	462	2.1	104	2.4	39 524	1.8	50	3.7	940	4.9
Hancock -----	5	14.6	89	15.9	115	3.0	52 884	1.3	52	4.4	3 289	7.8
Harrison -----	57	3.7	2 218	3.5	115	2.6	18 771	2.5	19	6.2	375	15.5
Hendricks -----	20	6.0	557	4.7	95	2.9	38 486	1.1	36	5.6	927	7.0
Henry -----	17	7.1	655	6.1	137	2.5	38 614	1.7	42	4.4	827	5.8
Howard -----	21	6.3	1 146	4.9	155	2.0	95 148	.8	16	8.2	234	13.5

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-25

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.										
	Milk cows inventory				Hogs and pigs inventory				Sheep and lambs inventory		
	Farms		Total		Farms		Total		Farms		Total
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Relative standard error of estimate (percent)
Huntington -----	21	4.1	1 232	2.2	152	2.2	70 635	1.0	45	4.5	1 076 6.6
Jackson -----	37	3.8	2 350	2.4	142	2.4	38 197	1.6	21	6.0	2 991 2.3
Jasper -----	4	13.4	229	8.5	142	2.1	113 661	.7	31	5.2	822 8.8
Jay -----	82	3.2	2 699	2.5	205	2.2	56 335	1.8	53	4.0	1 215 7.9
Jefferson -----	30	5.3	1 006	4.1	58	4.3	7 763	4.6	27	6.9	547 8.0
Jennings -----	12	7.3	535	6.5	120	2.9	17 528	3.8	10	10.0	225 11.0
Johnson -----	12	5.9	1 110	2.4	77	3.3	26 151	1.5	17	8.5	785 14.0
Knox -----	12	8.1	462	4.0	154	2.0	63 015	1.2	15	8.5	346 12.2
Kosciusko -----	99	2.4	4 607	1.8	233	1.6	120 643	.8	68	3.2	2 217 5.3
Lagrange -----	606	1.5	10 889	1.6	584	1.5	107 954	1.6	77	3.0	1 512 6.6
Lake -----	24	5.2	1 216	5.0	36	4.3	8 628	5.6	20	7.2	411 9.5
La Porte -----	58	3.2	4 409	1.5	89	3.2	29 122	1.5	32	5.8	1 000 7.8
Lawrence -----	27	5.9	825	5.5	89	3.2	13 385	3.3	22	6.4	272 7.7
Madison -----	15	7.6	619	8.2	110	2.2	37 066	1.3	32	4.8	931 7.3
Marion -----	3	20.8	(D)	(D)	14	8.7	7 513	5.5	11	11.0	313 11.6
Marshall -----	113	2.8	6 155	1.9	160	2.8	38 250	2.3	45	4.6	1 908 4.8
Martin -----	21	8.4	186	8.0	113	3.3	43 316	1.8	8	14.6	128 27.2
Miami -----	46	3.8	2 855	2.9	209	2.0	107 813	.8	31	5.7	784 8.1
Monroe -----	14	8.9	480	9.0	45	4.5	2 665	4.0	21	6.9	327 9.3
Montgomery -----	7	9.3	111	10.6	182	1.8	161 597	.6	45	4.2	2 478 9.3
Morgan -----	11	9.1	316	7.7	79	3.4	16 850	2.6	34	5.5	1 036 7.4
Newton -----	2	13.4	(D)	(D)	56	3.1	29 267	.8	22	5.7	419 5.8
Noble -----	123	2.8	4 262	2.6	167	2.6	47 444	1.4	41	5.0	1 498 10.8
Ohio -----	4	11.8	140	1.9	19	6.4	3 042	4.0	2	23.6	(D) (D)
Orange -----	20	4.5	883	1.7	85	3.3	23 844	2.0	23	6.6	485 8.0
Owen -----	24	7.1	642	5.7	68	3.5	9 234	2.3	33	5.3	785 5.6
Parke -----	10	10.6	429	5.5	102	3.2	27 803	2.0	22	6.6	529 11.1
Perry -----	17	6.0	493	5.2	94	2.6	24 008	2.8	12	7.2	145 8.4
Pike -----	5	11.7	(D)	(D)	53	3.3	14 417	4.0	3	15.8	25 15.7
Porter -----	16	5.5	723	5.0	65	3.3	20 520	2.2	23	6.1	385 7.8
Posey -----	22	6.6	1 161	7.0	65	3.0	27 674	1.2	10	9.7	229 12.5
Pulaski -----	24	4.6	1 413	3.8	167	2.1	70 215	1.0	21	6.9	493 10.9
Putnam -----	20	6.0	689	1.8	168	2.3	57 061	1.2	52	4.2	2 261 8.0
Randolph -----	34	4.4	1 312	4.6	221	2.0	70 528	1.1	46	4.0	1 117 5.6
Ripley -----	29	4.7	1 590	2.2	177	2.4	50 354	1.9	30	5.7	695 9.1
Rush -----	53	4.3	2 043	3.1	272	2.6	120 183	1.6	33	5.6	708 6.3
St. Joseph -----	63	3.1	2 730	2.3	96	2.8	26 682	1.3	28	5.5	490 3.8
Scott -----	5	11.7	254	9.8	30	5.0	3 883	4.6	8	10.0	148 10.9
Shelby -----	25	5.3	1 228	4.1	103	2.5	40 462	1.4	34	5.2	1 088 4.2
Spencer -----	30	5.3	1 321	4.4	155	2.7	55 202	1.8	19	7.4	384 10.6
Starke -----	7	9.0	192	6.8	78	3.5	12 939	3.0	12	8.0	510 12.1
Steubenville -----	73	3.4	3 502	3.1	78	3.7	13 185	3.9	21	6.5	506 4.9
Sullivan -----	7	13.5	172	8.5	80	3.1	18 636	3.0	20	6.6	632 8.6
Switzerland -----	37	6.0	1 242	6.6	32	5.8	11 225	.4	4	12.3	104 10.8
Tippencanoe -----	12	9.0	321	4.9	133	2.0	80 525	.9	42	4.6	2 064 5.2
Tipton -----	2	19.1	(D)	(D)	106	2.2	58 204	.6	27	5.5	602 7.0
Union -----	9	7.6	552	5.2	92	2.8	39 028	2.0	14	7.4	329 11.6
Vanderburgh -----	10	7.8	534	6.8	30	5.3	6 161	5.2	5	13.6	(D) (D)
Vermillion -----	4	13.9	48	15.6	34	4.4	16 678	.8	8	9.1	298 14.4
Vigo -----	11	9.0	451	6.7	52	3.5	12 860	1.4	6	13.6	166 13.3
Wabash -----	45	3.7	2 168	3.2	203	1.7	132 584	.7	38	4.7	1 122 10.9
Warren -----	6	13.9	62	20.4	37	4.6	12 490	3.8	12	6.7	256 10.6
Warrick -----	8	8.5	417	6.8	67	3.4	15 762	2.9	8	9.7	114 11.4
Washington -----	67	3.4	3 596	2.3	146	2.8	38 388	1.8	27	6.1	918 9.3
Wayne -----	48	3.5	2 434	2.7	154	2.2	53 583	1.2	45	4.8	995 4.3
Wells -----	31	4.8	1 720	3.9	136	2.0	47 408	1.3	20	5.8	424 8.0
White -----	8	8.3	450	6.8	197	1.8	130 073	.8	47	4.3	872 5.1
Whitley -----	59	3.4	2 524	2.3	168	2.2	56 994	1.2	49	4.2	1 213 5.3
Geographic area	Livestock and poultry —Con.										
	Hens and pullets of laying age inventory					Broilers and other meat-type chickens sold					
	Farms		Total		Farms		Total		Farms		Total
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Relative standard error of estimate (percent)
Indiana -----	<b>2 289</b>	<b>1.2</b>	<b>19 288 539</b>	<b>.2</b>	<b>188</b>	<b>2.3</b>	<b>21 081 124</b>	<b>.6</b>			
Adams -----	69	3.6	809 838	1.8	18	6.5	473 282	11.7			
Allen -----	49	4.3	30 201	16.0	5	12.2	712	15.5			
Bartholomew -----	15	7.4	395	10.3	—	—	—	—			
Benton -----	2	18.2	(D)	(D)	—	—	—	—			
Blackford -----	12	9.3	(D)	(D)	—	—	—	—			
Boone -----	16	7.7	620	15.1	1	24.8	(D)	(D)			
Brown -----	10	8.4	215	9.3	—	—	—	—			
Carroll -----	31	4.6	579 303	.1	5	14.3	1 047	16.9			
Cass -----	22	7.1	(D)	(D)	2	25.0	(D)	(D)			

See footnotes at end of table.

## C-26 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Livestock and poultry —Con.							
	Hens and pullets of laying age inventory				Broilers and other meat-type chickens sold			
	Farms		Total		Farms		Total	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Clark -----	19	7.1	448	8.3	2	15.2	(D)	(D)
Clay -----	13	7.6	(D)	(D)	—	—	—	—
Clinton -----	20	6.9	(D)	(D)	—	—	—	—
Crawford -----	28	6.0	570	6.8	1	—	(D)	(D)
Daviess -----	68	4.1	(D)	(D)	6	14.7	246	17.8
Dearborn -----	28	5.2	1 771	6.3	1	30.6	(D)	(D)
Decatur -----	21	8.0	522	9.2	1	31.1	(D)	(D)
De Kalb -----	11	9.2	271	12.1	2	29.7	(D)	(D)
Delaware -----	18	7.3	463	8.7	1	32.3	(D)	(D)
Dubois -----	54	3.2	2 586 356	.1	—	—	—	—
Elkhart -----	104	3.2	207 828	9.1	29	5.2	1 595 332	2.8
Fayette -----	12	9.6	314	13.2	—	—	—	—
Floyd -----	15	6.7	263	7.2	1	29.6	(D)	(D)
Fountain -----	17	7.4	390	10.2	—	—	—	—
Franklin -----	25	5.8	528	7.8	—	—	—	—
Fulton -----	17	8.4	(D)	(D)	2	20.8	(D)	(D)
Gibson -----	23	6.0	2 802	.8	—	—	—	—
Grant -----	22	5.5	86 835	.1	2	18.9	(D)	(D)
Greene -----	33	5.4	926	7.9	1	—	(D)	(D)
Hamilton -----	20	6.5	1 080	7.5	1	35.8	(D)	(D)
Hancock -----	8	14.2	102	22.3	—	—	—	—
Harrison -----	34	4.8	123 260	(L)	6	7.3	(D)	(D)
Hendricks -----	29	6.1	786	7.9	—	—	—	—
Henry -----	29	6.4	821	11.1	1	25.6	(D)	(D)
Howard -----	27	6.3	1 499	9.1	3	19.0	1 500	18.6
Huntington -----	16	7.4	(D)	(D)	1	27.0	(D)	(D)
Jackson -----	22	6.4	(D)	(D)	1	26.6	(D)	(D)
Jasper -----	10	10.3	(D)	(D)	2	15.4	(D)	(D)
Jay -----	50	3.2	920 626	.5	1	27.0	(D)	(D)
Jefferson -----	27	6.9	808	8.4	—	—	—	—
Jennings -----	29	6.2	(D)	(D)	—	—	—	—
Johnson -----	16	8.2	357	17.6	—	—	—	—
Knox -----	22	6.8	486	7.6	—	—	—	—
Kosciusko -----	43	4.1	2 017 427	.3	4	16.8	(D)	(D)
Lagrange -----	238	1.9	398 639	1.3	32	4.7	1 057 164	4.5
Lake -----	18	6.9	3 142	21.1	1	34.1	(D)	(D)
La Porte -----	29	6.5	874	9.4	4	18.3	104	33.1
Lawrence -----	28	6.0	722	9.0	—	—	—	—
Madison -----	27	5.8	3 968	36.9	—	—	—	—
Marion -----	8	11.7	428	17.4	1	38.6	(D)	(D)
Marshall -----	42	4.9	73 241	.2	10	9.2	1 055	17.3
Martin -----	17	7.9	274 716	(L)	1	—	(D)	(D)
Miami -----	17	7.9	547	9.0	2	24.0	(D)	(D)
Monroe -----	16	7.8	308	9.1	—	—	—	—
Montgomery -----	15	8.0	259	15.0	—	—	—	—
Morgan -----	16	8.5	356	13.7	—	—	—	—
Newton -----	3	14.0	(D)	(D)	—	—	—	—
Noble -----	51	4.4	(D)	(D)	5	12.2	(D)	(D)
Ohio -----	6	13.8	110	16.5	—	—	—	—
Orange -----	17	8.1	289	9.8	—	—	—	—
Owen -----	29	5.7	418	6.5	1	29.8	(D)	(D)
Parke -----	10	9.6	241	10.1	—	—	—	—
Perry -----	26	5.5	574	7.0	—	—	—	—
Pike -----	1	—	(D)	(D)	—	—	—	—
Porter -----	26	5.9	647	7.1	—	—	—	—
Posey -----	11	9.5	280	12.4	—	—	—	—
Pulaski -----	19	7.1	(D)	(D)	—	—	—	—
Putnam -----	26	6.2	474	10.1	—	—	—	—
Randolph -----	31	5.2	497 894	.5	5	14.8	(D)	(D)
Ripley -----	38	4.9	1 222	7.0	—	—	—	—
Rush -----	19	8.8	735	23.3	—	—	—	—
St. Joseph -----	33	4.7	(D)	(D)	7	10.7	503	17.3
Scott -----	15	8.0	290	9.7	—	—	—	—
Shelby -----	21	6.8	1 099	11.1	—	—	—	—
Spencer -----	13	8.9	(D)	(D)	—	—	—	—
Starke -----	4	16.9	186	19.8	1	38.2	(D)	(D)
Steuben -----	17	7.7	395	8.9	—	—	—	—
Sullivan -----	9	12.0	254	19.3	—	—	—	—
Switzerland -----	19	7.2	333	9.6	—	—	—	—
Tippecanoe -----	32	5.5	(D)	(D)	4	11.3	(D)	(D)
Tipton -----	10	9.3	(D)	(D)	—	—	—	—
Union -----	5	15.4	299	18.4	—	—	—	—
Vanderburgh -----	9	10.2	550	16.7	—	—	—	—
Vermillion -----	3	18.5	76	20.3	—	—	—	—
Vigo -----	16	8.5	332	12.0	1	—	(D)	(D)
Wabash -----	24	5.8	1 187 655	(L)	1	38.2	(D)	(D)
Warren -----	8	9.5	131	10.1	—	—	—	—
Warrick -----	9	11.4	221	14.6	—	—	—	—
Washington -----	33	5.3	(D)	(D)	9	6.4	1 854 520	2.9
Wayne -----	18	7.5	391	10.4	1	—	(D)	(D)
Wells -----	20	5.4	79 865	3.7	1	32.2	(D)	(D)
White -----	16	7.1	(D)	(D)	—	—	—	—
Whitley -----	15	7.9	117 232	(L)	1	40.4	(D)	(D)

See footnotes at end of table.

## 1992 CENSUS OF AGRICULTURE

## APPENDIX C C-27

**Table F. Reliability Estimates for the State and County Totals: 1992 — Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested											
	Corn for grain or seed						Corn for silage or green chop					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Indiana -----	37 005	1.2	5 828 308	.8	805 637 216	.7	4 039	1.3	110 919	1.0	1 944 771	.9
Adams -----	724	1.5	61 444	1.1	8 162 285	1.1	123	2.9	2 319	2.6	41 370	2.6
Allen -----	931	1.5	84 154	1.2	11 298 764	1.2	100	2.8	1 987	2.4	34 316	2.3
Bartholomew -----	411	1.3	72 981	1.1	10 987 764	1.1	29	3.4	631	3.9	13 757	4.8
Benton -----	450	1.6	121 844	1.2	17 265 833	1.2	5	13.6	119	5.6	2 400	5.7
Blackford -----	159	1.9	27 910	1.3	3 645 970	1.2	8	7.8	205	5.4	3 760	5.4
Boone -----	470	1.1	98 373	.7	14 657 202	.7	16	7.3	677	5.3	13 675	4.9
Brown -----	47	3.1	4 173	4.2	511 989	4.5	1	—	(D)	—	(D)	—
Carroll -----	462	1.3	112 547	.7	17 428 737	.6	18	5.3	855	4.8	13 955	2.2
Cass -----	558	1.2	102 021	.9	14 251 044	.8	30	3.8	1 762	2.1	31 567	2.2
Clark -----	214	1.5	17 117	1.5	2 123 069	1.4	21	2.9	789	3.1	13 989	3.4
Clay -----	395	1.7	68 159	1.3	9 924 403	1.2	21	5.9	559	4.9	10 432	4.6
Clinton -----	502	1.2	113 148	.7	16 710 157	.7	10	4.7	140	2.9	2 211	3.5
Crawford -----	64	3.3	2 330	3.3	259 750	3.4	4	9.4	132	6.5	1 840	5.5
Daviess -----	744	1.5	91 777	1.2	13 956 602	1.1	160	2.3	1 865	1.9	34 980	2.1
Dearborn -----	193	1.8	7 638	2.5	955 242	2.7	30	4.3	594	4.4	10 722	4.2
Decatur -----	538	1.7	97 826	1.1	14 427 210	1.1	70	2.8	2 316	2.4	45 440	2.2
De Kalb -----	395	1.4	38 473	1.1	4 751 923	1.2	56	3.1	2 285	2.0	39 583	1.9
Delaware -----	417	1.3	59 269	.9	8 061 071	.9	19	5.1	585	4.6	10 411	4.6
Dubois -----	557	1.2	70 219	.9	9 858 911	.9	67	2.4	2 240	1.8	41 016	1.3
Elkhart -----	799	1.5	66 867	1.3	8 542 850	1.3	351	1.9	9 527	1.6	171 677	1.4
Fayette -----	295	2.4	39 111	2.0	5 510 393	2.0	30	7.0	614	7.1	11 548	9.2
Floyd -----	79	2.7	3 424	4.1	419 305	4.6	5	12.7	(D)	(D)	(D)	—
Fountain -----	428	1.6	90 331	1.2	12 774 914	1.2	11	9.2	237	13.2	3 831	13.9
Franklin -----	444	1.4	41 556	1.4	5 677 815	1.5	73	3.1	1 605	3.8	30 025	3.3
Fulton -----	502	2.2	83 454	1.1	10 463 542	1.0	63	3.2	1 719	2.7	29 626	2.6
Gibson -----	498	1.2	106 788	.9	15 504 461	.8	24	3.3	604	3.3	12 061	2.9
Grant -----	405	1.3	74 332	.9	11 098 171	.8	22	4.2	718	3.0	15 092	2.3
Greene -----	369	1.7	51 722	1.6	7 203 511	1.5	45	4.1	1 037	4.0	16 800	3.4
Hamilton -----	382	1.6	65 970	1.1	9 237 282	1.1	16	3.1	369	2.0	6 621	2.2
Hancock -----	384	1.7	70 368	.9	10 048 422	.9	15	8.2	280	9.7	4 825	8.7
Harrison -----	358	1.5	21 710	1.6	2 614 499	1.5	39	4.1	1 407	3.4	23 382	3.5
Hendricks -----	441	1.8	73 160	1.3	10 519 577	1.3	16	7.4	464	10.1	8 588	10.2
Henry -----	535	1.5	76 615	1.3	10 791 942	1.3	34	3.4	1 200	4.4	21 520	3.2
Howard -----	411	1.3	63 299	.9	9 760 009	.9	26	5.9	544	6.4	10 730	6.4
Huntington -----	476	1.2	63 934	1.1	8 744 343	1.1	30	3.5	924	4.0	16 098	5.1
Jackson -----	515	1.6	71 339	1.2	9 615 817	1.3	54	3.1	1 386	2.3	29 359	2.3
Jasper -----	547	1.5	152 012	1.0	20 463 992	1.0	30	4.8	1 149	2.7	20 895	1.9
Jay -----	468	1.7	51 380	1.3	6 339 208	1.2	59	3.4	2 104	2.1	38 657	2.0
Jefferson -----	281	2.3	17 384	1.7	2 061 900	1.6	22	5.3	638	3.4	11 729	3.5
Jennings -----	305	2.0	32 864	1.6	4 225 523	1.5	17	7.0	375	7.5	4 867	7.2
Johnson -----	349	1.6	61 060	1.1	9 424 524	1.1	26	4.2	693	3.2	16 140	3.1
Knox -----	511	1.4	118 989	.8	18 469 335	.7	28	4.9	1 071	2.7	21 300	2.6
Kosciusko -----	691	1.0	104 136	.7	13 348 153	.7	117	2.1	5 394	1.5	78 889	1.4
Lagrange -----	922	1.2	69 152	1.0	8 086 400	1.0	521	1.5	5 336	1.7	93 637	2.5
Lake -----	298	1.4	64 854	1.0	7 908 832	1.0	29	4.7	615	6.4	11 130	7.3
La Porte -----	555	1.4	125 779	.9	15 732 791	.9	66	3.0	2 854	1.9	51 643	1.4
Lawrence -----	288	1.8	20 865	1.8	2 545 956	1.8	37	4.2	702	5.1	11 297	4.3
Madison -----	554	1.1	93 706	.7	13 713 245	.7	28	4.7	854	4.0	17 355	3.6
Marion -----	93	2.7	13 692	2.5	1 883 188	2.4	10	11.4	411	12.6	8 530	9.7
Marshall -----	632	1.6	92 307	1.3	11 086 681	1.2	115	2.9	3 840	2.1	61 897	1.5
Martin -----	158	2.3	16 071	2.1	2 284 775	2.0	22	5.4	502	3.2	8 305	3.7
Miami -----	540	1.3	73 457	1.1	9 745 953	1.1	66	3.0	2 698	3.0	46 379	3.3
Monroe -----	138	2.5	5 744	2.9	734 607	2.8	18	7.0	341	8.2	5 798	9.0
Montgomery -----	543	1.1	127 366	.7	18 175 944	.7	23	3.5	539	2.0	7 686	1.3
Morgan -----	319	1.8	51 808	1.3	7 608 943	1.3	12	6.7	337	4.6	7 435	2.0
Newton -----	318	1.2	107 819	.7	15 070 399	.7	15	5.4	379	5.1	6 270	3.4
Noble -----	649	1.6	64 626	1.6	8 058 544	1.5	101	2.9	2 388	2.5	38 709	2.7
Ohio -----	60	3.8	3 075	3.0	385 578	3.0	5	9.4	197	.2	2 760	.5
Orange -----	194	2.2	23 182	1.9	3 044 933	1.9	12	6.6	427	3.3	6 453	2.6
Owen -----	258	1.9	21 689	2.1	2 894 287	2.1	16	6.5	293	4.7	4 641	3.9
Parke -----	330	1.6	68 206	1.0	9 304 943	.9	20	5.7	537	8.2	8 418	5.7
Perry -----	193	1.7	10 495	3.3	1 247 474	4.1	20	5.7	458	3.3	9 512	2.7
Pike -----	195	1.5	30 553	1.4	4 199 937	1.4	6	9.2	128	8.2	2 180	6.5
Porter -----	319	1.8	63 827	1.6	8 326 587	1.6	35	4.4	781	4.5	12 308	5.5
Posey -----	357	1.3	82 003	.8	12 052 866	.8	31	5.0	1 005	6.0	15 450	5.2
Pulaski -----	493	1.2	115 557	.8	13 943 150	.8	33	4.0	1 603	4.1	23 105	3.5
Putnam -----	419	1.4	69 327	.9	9 453 016	.9	22	4.5	827	2.3	17 262	2.6
Randolph -----	602	1.6	77 161	1.2	10 224 447	1.2	34	4.0	800	4.6	15 496	4.9
Ripley -----	547	1.6	53 669	1.5	6 886 915	1.4	48	3.7	1 416	2.5	28 827	2.2
Rush -----	602	2.5	104 058	1.7	15 305 284	1.6	56	4.0	2 044	3.5	39 848	4.2
St. Joseph -----	469	1.5	73 481	1.1	8 968 924	1.1	58	3.2	1 920	2.9	29 327	3.2
Scott -----	134	2.0	14 227	1.9	1 827 328	1.8	7	11.3	161	17.6	3 075	17.9
Shelby -----	537	1.6	101 621	1.1	15 372 185	1.1	40	4.3	1 413	3.3	28 044	3.5
Spencer -----	413	1.9	55 713	1.3	7 651 177	1.3	32	4.6	974	4.5	19 433	3.7
Starke -----	261	1.8	61 360	1.4	6 716 741	1.2	18	5.7	750	5.5	12 308	4.6
Steuben -----	315	1.9	38 106	1.6	4 329 071	1.7	57	3.7	2 239	5.5	29 314	4.0
Sullivan -----	349	1.5	70 096	.9	11 018 017	.9	16	6.5	442	3.3	7 208	4.2
Switzerland -----	107	2.8	6 059	2.5	709 240	2.1	26	6.2	774	6.2	14 248	5.9
Tippecanoe -----	497	1.2	115 040	.7	16 109 437	.7	12	7.4	669	2.4	8 466	4.0

See footnotes at end of table.

## C-28 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested											
	Corn for grain or seed								Corn for silage or green chop			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, green	Relative standard error of estimate (percent)
Tipton -----	361	1.1	71 146	.7	10 265 488	.7	7	9.0	361	19.8	7 758	20.2
Union -----	196	2.0	36 417	1.4	5 475 076	1.4	16	5.9	374	7.0	8 960	10.0
Vanderburgh -----	202	1.6	37 762	1.3	5 352 892	1.3	13	7.9	262	7.0	4 915	7.0
Vermillion -----	216	1.3	50 716	.9	7 427 532	.9	15	5.0	350	7.5	5 781	6.0
Vigo -----	325	1.3	55 657	.9	7 902 218	.9	13	6.8	430	6.8	8 010	7.2
Wabash -----	476	1.3	71 609	.8	9 877 381	.7	67	2.9	2 785	2.8	50 518	3.0
Warren -----	299	1.2	83 068	.8	11 925 683	.8	13	5.6	323	4.8	6 038	4.5
Warrick -----	239	1.7	35 420	1.8	4 624 344	1.8	17	6.5	408	6.4	6 455	6.0
Washington -----	344	1.8	37 583	1.5	4 526 040	1.5	67	3.3	2 882	3.8	46 802	1.8
Wayne -----	506	1.5	66 921	1.2	9 322 663	1.1	69	2.7	2 101	4.5	33 113	2.8
Wells -----	501	1.2	67 710	1.0	9 493 932	1.0	49	3.2	1 454	3.6	26 338	3.5
White -----	531	1.4	126 167	.9	18 482 021	.9	28	4.0	1 132	1.6	20 155	1.9
Whitley -----	447	1.4	49 173	1.0	6 256 737	1.0	57	3.3	2 086	4.1	33 297	4.1
Selected crops harvested —Con.												
Geographic area	Wheat for grain								Oats for grain			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
	Indiana -----	12 936	1.2	542 058	.8	25 048 728	.8	2 905	1.3	41 538	1.2	2 603 270
Adams -----	333	1.7	12 649	1.6	561 181	1.7	187	2.5	1 990	2.7	128 877	2.9
Allen -----	539	1.6	24 554	1.4	1 095 395	1.4	205	2.3	2 667	2.3	199 166	2.3
Bartholomew -----	193	1.8	7 917	1.6	434 120	1.5	6	7.3	46	3.7	3 875	2.2
Benton -----	22	5.9	740	3.9	31 827	3.9	30	4.7	787	6.6	56 234	6.3
Blackford -----	67	3.1	2 944	2.6	110 190	2.2	11	8.4	207	11.7	11 856	8.6
Boone -----	92	2.4	3 037	2.6	148 961	2.3	23	4.3	319	5.1	22 290	5.2
Brown -----	7	10.5	129	12.7	4 438	13.2	1	27.9	(D)	(D)	(D)	(D)
Carroll -----	126	2.0	3 908	1.7	190 519	1.6	19	5.8	330	4.7	18 930	4.6
Cass -----	129	2.3	3 971	1.8	188 005	1.9	29	4.7	695	9.7	30 177	4.1
Clark -----	123	2.0	6 034	1.7	243 160	1.7	15	6.0	119	6.3	5 888	4.4
Clay -----	147	2.3	6 594	2.2	279 374	2.4	4	9.0	65	16.1	3 030	12.7
Clinton -----	136	2.1	4 317	2.4	208 320	2.4	13	6.2	139	6.2	8 405	5.3
Crawford -----	6	10.6	357	6.5	13 273	5.5	2	13.3	(D)	(D)	(D)	(D)
Daviess -----	195	2.1	10 410	1.5	492 193	1.5	23	7.0	286	7.2	13 228	7.5
Dearborn -----	72	2.8	1 225	3.6	48 793	3.7	12	8.2	138	8.2	8 546	8.7
Decatur -----	246	1.9	7 276	1.9	383 385	1.8	24	6.0	232	6.0	14 808	5.4
De Kalb -----	279	1.5	13 414	1.2	535 391	1.3	74	3.0	1 118	2.9	77 646	3.2
Delaware -----	155	1.8	6 968	1.7	334 051	2.0	37	3.8	598	3.0	43 654	2.9
Dubois -----	255	1.5	9 641	1.3	401 670	1.3	22	5.6	330	7.9	11 390	4.9
Elkhart -----	245	1.9	5 062	2.1	207 337	2.0	119	2.6	1 426	2.7	91 591	2.8
Fayette -----	138	2.4	4 540	2.6	196 367	2.1	20	7.7	269	11.2	17 126	9.1
Floyd -----	47	3.7	1 187	6.4	43 054	6.8	9	9.0	78	10.9	5 100	12.4
Fountain -----	117	2.8	4 301	3.0	185 031	3.1	36	5.3	728	6.8	38 725	7.1
Franklin -----	232	1.9	5 020	2.3	230 318	2.2	24	5.4	219	5.4	12 349	5.1
Fulton -----	109	2.9	2 586	3.4	93 098	3.8	26	5.3	265	6.0	14 101	5.9
Gibson -----	281	1.5	24 602	1.0	1 315 421	.9	1	—	(D)	—	(D)	—
Grant -----	129	1.9	4 224	2.0	187 511	1.8	23	5.5	363	5.3	19 809	4.7
Greene -----	83	3.2	2 712	4.8	107 538	4.9	5	13.9	95	16.4	4 300	16.7
Hamilton -----	129	2.4	4 807	1.8	243 078	1.8	20	6.7	273	6.4	17 297	5.6
Hancock -----	139	2.3	5 542	1.6	273 898	1.8	9	9.9	132	14.4	7 983	14.2
Harrison -----	130	2.2	6 270	1.9	258 087	1.9	34	5.2	452	7.2	19 325	6.9
Hendricks -----	121	2.7	4 752	2.0	233 675	2.2	21	6.7	375	10.1	15 997	9.7
Henry -----	137	2.3	5 232	2.1	268 751	1.9	23	5.0	310	4.1	22 125	4.4
Howard -----	115	2.4	2 439	2.7	126 968	2.8	28	5.3	333	5.4	21 740	4.7
Huntington -----	233	1.6	8 741	1.7	343 536	1.7	47	3.5	891	3.6	46 539	2.9
Jackson -----	225	2.0	8 947	1.8	415 801	1.7	12	6.6	180	7.7	11 407	10.7
Jasper -----	29	3.7	1 580	2.0	53 524	2.1	31	4.1	546	2.4	33 777	2.8
Jay -----	246	1.8	8 749	1.6	354 342	1.7	94	2.8	1 424	3.2	84 547	2.7
Jefferson -----	76	3.3	3 583	2.7	159 209	2.9	11	8.9	90	6.9	3 340	6.9
Jennings -----	95	3.2	4 254	2.8	210 566	2.9	5	13.7	25	11.9	1 310	11.5
Johnson -----	157	2.1	6 030	1.8	329 933	1.6	6	10.8	103	8.2	5 454	12.7
Knox -----	387	1.4	39 989	.9	1 998 975	.9	1	28.8	(D)	(D)	(D)	(D)
Kosciusko -----	183	1.7	6 267	1.6	256 942	1.9	68	3.1	1 500	2.0	92 205	2.2
Lagrange -----	255	1.7	4 813	1.3	193 669	1.3	377	1.7	3 983	1.8	265 387	1.9
Lake -----	27	4.9	737	4.5	25 959	5.7	38	4.6	517	5.3	29 332	5.3
La Porte -----	122	2.7	4 856	3.9	195 791	3.7	40	4.5	795	3.5	46 185	3.8
Lawrence -----	60	3.4	2 049	3.6	82 792	3.9	13	8.3	168	8.1	8 402	8.3
Madison -----	162	1.8	5 810	1.5	318 301	1.4	28	4.5	316	4.7	21 452	4.1
Marion -----	34	5.1	1 328	4.7	61 721	4.5	3	19.0	27	12.6	1 643	7.9
Marshall -----	166	2.6	5 259	2.0	224 983	1.9	63	3.8	841	4.1	55 806	3.8
Martin -----	44	3.7	1 757	4.0	69 567	3.5	2	24.9	(D)	(D)	(D)	(D)
Miami -----	151	2.1	4 738	2.1	211 782	2.1	22	5.3	378	4.6	22 417	4.8
Monroe -----	18	6.8	453	5.7	17 879	5.0	10	10.1	131	12.9	6 063	13.3
Montgomery -----	140	2.0	5 304	1.9	252 994	1.9	31	4.4	635	6.2	38 374	5.2

See footnotes at end of table.

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Wheat for grain								Oats for grain			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)
Morgan -----	102	3.0	4 501	2.2	219 010	2.2	7	9.4	198	4.3	8 220	4.4
Newton -----	8	7.4	486	6.0	12 732	8.7	24	4.4	299	4.8	24 531	4.8
Noble -----	248	2.2	7 258	2.5	290 101	2.5	90	3.4	1 274	3.6	82 045	3.6
Ohio -----	11	8.3	305	5.1	13 628	4.6	—	—	—	—	—	—
Orange -----	40	4.3	2 032	3.0	87 720	2.8	7	10.8	57	10.4	5 592	10.7
Owen -----	84	3.2	3 101	2.9	142 185	3.1	11	8.2	148	7.9	5 650	7.1
Parke -----	117	2.3	5 855	1.3	273 011	1.2	9	8.8	163	17.2	5 615	4.7
Perry -----	72	3.0	1 223	3.4	45 084	3.6	12	7.5	100	9.4	4 530	9.6
Pike -----	70	2.4	3 796	2.1	174 148	2.3	3	17.8	36	17.8	2 090	21.5
Porter -----	88	2.8	2 322	3.2	85 667	3.3	42	3.9	649	3.9	40 785	4.1
Posey -----	287	1.4	30 546	.9	1 662 428	.9	4	17.0	26	17.1	860	17.0
Pulaski -----	40	3.5	979	2.2	38 073	2.2	14	6.0	370	4.1	27 280	4.3
Putnam -----	139	2.1	5 678	1.6	255 850	1.6	23	4.9	282	4.1	16 610	4.1
Randolph -----	330	1.5	12 906	1.4	580 190	1.5	71	3.2	1 082	3.5	65 143	3.9
Ripley -----	199	2.1	4 318	2.7	150 862	2.3	22	6.2	263	9.9	12 376	13.6
Rush -----	263	2.2	8 689	2.0	450 473	2.0	30	5.0	307	5.0	19 393	5.4
St. Joseph -----	165	2.2	6 421	1.7	243 329	1.5	32	5.2	702	6.4	36 271	5.4
Scott -----	43	3.6	1 820	3.1	73 412	2.9	1	26.5	(D)	(D)	(D)	(D)
Shelby -----	219	2.3	8 052	2.2	447 869	2.2	16	7.0	186	6.1	10 348	6.2
Spencer -----	181	2.4	10 132	1.5	525 365	1.3	13	6.8	213	9.0	13 168	9.1
Starke -----	11	6.3	278	4.0	8 008	4.3	12	9.4	159	7.6	9 611	7.7
Steuben -----	152	2.5	5 508	2.3	217 215	2.4	41	4.6	669	4.9	34 807	5.9
Sullivan -----	129	2.0	8 894	1.7	370 119	1.5	1	30.1	(D)	(D)	(D)	(D)
Switzerland-----	25	6.4	373	4.5	16 396	4.8	4	15.9	32	15.5	1 900	16.5
Tippecanoe -----	131	2.3	5 089	2.3	241 076	2.5	37	3.2	866	4.0	62 136	5.3
Tipton -----	64	2.9	1 711	2.5	98 297	2.6	18	5.3	200	9.5	16 385	11.1
Union -----	104	2.6	3 640	2.9	174 850	3.2	20	6.7	216	8.6	14 148	9.0
Vanderburgh -----	119	2.3	7 176	1.9	400 371	1.8	3	16.4	22	17.0	782	18.1
Vermillion -----	65	2.8	2 168	2.6	96 475	2.7	8	7.8	110	8.0	6 200	8.4
Vigo -----	86	2.6	4 433	2.1	189 258	2.2	3	19.0	46	19.1	2 860	20.6
Wabash -----	226	1.6	8 065	1.5	337 169	1.5	42	3.7	846	4.1	53 855	3.4
Warren -----	69	2.9	3 419	2.7	148 644	2.5	13	5.3	416	3.9	33 570	4.3
Warrick -----	92	2.8	4 375	3.2	177 646	3.0	4	18.4	35	22.1	2 226	23.3
Washington -----	113	2.6	4 679	2.7	168 294	2.4	16	7.6	255	8.7	13 340	8.7
Wayne -----	215	1.8	7 765	1.8	364 830	1.7	60	3.1	752	3.6	48 332	3.7
Wells -----	206	1.7	6 844	1.7	289 131	1.8	47	3.7	680	4.4	44 905	4.6
White -----	78	2.9	2 312	2.4	91 151	2.4	41	3.6	746	3.7	55 326	3.9
Whitley -----	261	1.7	10 304	1.2	436 017	1.2	67	3.0	1 101	2.7	78 832	2.4
Geographic area	Selected crops harvested —Con.											
	Soybeans for beans								Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)			
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Indiana -----	33 568	1.3	4 729 880	.8	195 049 717	.8	24 321	1.1	686 707	1.1	1 712 613	1.1
Adams -----	733	1.5	78 682	1.3	3 018 268	1.2	431	1.9	12 062	1.8	36 182	2.3
Allen -----	938	1.5	114 768	1.3	4 649 925	1.3	439	1.9	9 990	1.7	25 565	1.7
Bartholomew -----	384	1.4	47 816	1.3	2 213 474	1.3	235	1.6	4 943	1.8	11 774	1.9
Benton -----	446	1.6	118 182	1.1	5 047 549	1.1	76	3.4	1 740	3.9	5 163	3.6
Blackford -----	207	1.6	39 552	1.6	1 590 553	1.5	59	3.9	1 177	5.6	3 856	6.0
Boone -----	450	1.1	92 248	.7	4 136 056	.7	187	2.0	4 973	2.5	13 779	3.2
Brown -----	19	5.6	730	3.9	22 085	4.3	106	1.9	3 534	2.9	6 088	3.2
Carroll -----	421	1.3	68 430	.7	3 303 565	.7	152	2.2	3 078	3.3	8 882	3.5
Cass -----	518	1.3	73 657	.9	3 198 059	.9	230	2.0	6 427	2.1	19 830	2.2
Clark -----	217	1.6	23 423	1.4	815 363	1.4	327	1.4	9 936	1.5	22 675	1.6
Clay -----	382	1.8	51 272	1.5	2 014 534	1.5	202	2.3	5 180	2.7	13 172	2.8
Clinton -----	492	1.2	93 865	.8	4 294 520	.8	119	2.4	2 354	3.0	5 879	3.7
Crawford -----	14	7.0	845	9.3	33 110	9.2	262	1.4	8 853	2.0	16 068	2.3
Daviess -----	421	1.7	49 977	1.3	2 180 898	1.2	520	1.6	12 233	1.8	26 863	1.9
Dearborn -----	135	2.2	7 077	2.8	245 909	2.9	501	1.1	12 459	1.7	23 786	1.8
Decatur -----	454	1.7	49 837	1.2	2 234 041	1.2	235	2.0	6 244	2.6	17 854	2.9
De Kalb -----	454	1.3	48 457	1.0	1 801 502	1.0	221	1.8	7 125	1.7	21 170	1.7
Delaware -----	482	1.2	73 762	1.0	3 060 488	1.0	178	2.0	3 483	2.9	9 078	2.8
Dubois -----	370	1.4	27 087	1.1	1 146 093	1.1	447	1.4	15 672	1.5	36 960	1.5
Elskhart -----	551	1.6	44 749	1.5	1 797 051	1.5	702	1.5	21 804	1.6	67 726	1.6
Fayette -----	232	2.4	23 931	2.1	1 048 004	2.1	232	2.5	6 264	3.3	15 848	3.0
Floyd -----	55	3.4	2 233	4.6	75 202	4.5	199	1.4	4 729	2.6	8 653	3.4
Fountain -----	412	1.7	77 401	1.2	3 233 978	1.2	243	1.9	7 019	2.4	18 980	2.7
Franklin -----	305	1.7	21 483	1.6	854 599	1.7	443	1.3	10 746	1.7	28 712	1.7
Fulton -----	452	2.2	57 022	1.4	2 158 618	1.3	268	2.5	7 560	3.0	22 713	3.1
Gibson -----	472	1.2	79 556	.9	3 260 323	.8	147	2.2	4 106	2.6	9 996	3.2
Grant -----	446	1.2	91 217	.9	4 001 331	.8	151	2.2	4 703	1.9	10 321	2.4
Greene -----	343	1.9	43 769	1.8	1 651 436	1.7	560	1.2	20 858	1.4	39 583	1.5
Hamilton -----	405	1.6	65 898	1.2	2 716 212	1.1	197	2.0	3 844	2.5	10 863	3.3

See footnotes at end of table.

## C-30 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.											
	Soybeans for beans						Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)					
	Farms		Acres		Quantity		Farms		Acres		Quantity	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Bushels	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)	Tons, dry	Relative standard error of estimate (percent)
Hancock -----	399	1.7	68 533	1.0	2 790 947	1.0	152	2.6	2 678	4.5	7 176	4.3
Harrison -----	202	1.9	72 388	2.2	627 432	2.0	701	1.2	22 701	1.8	47 810	1.9
Hendricks -----	453	1.8	72 145	1.4	3 048 710	1.3	294	1.8	6 399	2.2	18 006	2.5
Henry -----	517	1.5	68 990	1.4	2 993 490	1.3	302	1.9	6 723	2.7	19 624	2.8
Howard -----	406	1.4	60 873	1.0	2 788 981	1.0	151	2.4	2 892	3.7	7 827	4.1
Huntington -----	509	1.1	78 801	1.0	3 281 252	1.0	189	1.9	5 031	1.8	13 236	2.1
Jackson -----	447	1.6	45 835	1.5	1 876 374	1.4	361	1.7	8 634	1.8	20 864	1.8
Jasper -----	500	1.6	92 071	1.1	3 794 407	1.1	135	2.4	2 622	2.1	6 034	3.0
Jay -----	602	1.6	70 509	1.6	2 683 771	1.4	285	1.8	8 635	2.0	22 225	2.0
Jefferson -----	289	2.3	29 327	2.6	975 218	2.5	415	2.0	9 714	2.3	22 795	2.6
Jennings -----	279	2.1	31 062	2.0	1 127 845	1.8	258	2.1	5 684	2.2	14 268	2.0
Johnson -----	323	1.6	42 208	1.3	1 927 602	1.2	206	1.9	6 226	3.8	16 047	2.3
Knox -----	498	1.4	101 159	.8	3 964 503	.8	171	2.1	5 844	2.6	12 858	2.5
Kosciusko -----	635	1.1	65 797	1.0	2 696 937	1.0	424	1.3	12 052	1.7	33 459	1.7
Lagrange -----	238	1.6	24 078	1.1	955 027	1.0	853	1.3	21 621	1.3	65 404	1.5
Lake -----	310	1.4	50 112	1.3	1 715 375	1.3	152	2.2	3 942	2.7	11 873	2.9
La Porte -----	490	1.5	76 355	1.2	2 715 908	1.1	264	2.0	11 109	1.6	31 035	2.2
Lawrence -----	171	2.3	10 541	2.1	377 669	1.9	533	1.3	21 857	1.8	52 297	1.8
Madison -----	523	1.1	90 393	.8	3 871 623	.7	228	1.7	4 253	2.0	10 985	2.6
Marion -----	103	2.6	13 774	2.7	543 969	2.7	71	3.7	1 430	5.6	2 940	6.1
Marshall -----	581	1.8	60 840	1.4	2 281 249	1.3	373	1.8	14 156	1.9	43 854	2.0
Martin -----	73	2.7	8 695	1.7	339 091	1.6	217	2.1	6 385	2.6	11 547	2.8
Miami -----	523	1.4	67 398	1.3	2 924 656	1.3	246	1.8	7 838	1.7	23 566	2.1
Monroe -----	80	3.2	3 559	3.4	114 836	3.6	342	1.4	10 710	2.1	20 451	2.9
Montgomery -----	537	1.1	102 289	.8	4 637 499	.8	241	1.7	6 693	1.8	19 365	2.0
Morgan -----	293	1.9	38 707	1.4	1 571 748	1.4	286	1.8	8 145	2.7	18 452	2.5
Newton -----	302	1.3	68 762	.9	2 972 418	.9	81	2.8	1 632	2.9	4 319	3.0
Noble -----	524	1.8	43 728	1.7	1 736 972	1.7	456	1.7	11 719	1.7	32 830	1.9
Ohio -----	27	5.6	1 955	3.5	75 121	3.2	156	2.1	4 361	2.7	7 839	3.6
Orange -----	115	2.9	10 815	2.0	416 242	2.1	322	1.6	12 267	2.3	26 469	2.2
Owen -----	216	2.1	17 853	2.1	635 862	2.3	351	1.5	13 047	2.1	26 858	2.4
Parke -----	299	1.7	45 353	1.1	1 842 748	1.0	196	2.0	4 771	1.9	11 884	1.7
Perry -----	112	2.3	6 397	3.3	209 818	3.4	342	1.1	10 860	1.5	21 233	1.7
Pike -----	193	1.5	25 536	1.4	1 001 076	1.3	90	2.4	3 207	2.8	5 850	2.8
Porter -----	324	1.8	49 911	1.6	1 868 290	1.5	176	2.0	4 278	3.3	11 740	3.2
Posey -----	368	1.3	77 961	.7	3 291 701	.7	116	2.5	3 337	4.3	8 934	4.9
Pulaski -----	440	1.2	71 734	1.0	2 661 614	1.0	160	2.0	4 286	2.0	10 727	2.5
Putnam -----	398	1.4	52 339	1.0	2 135 704	1.0	386	1.5	10 770	1.6	28 001	2.2
Randolph -----	682	1.5	100 717	1.2	4 060 628	1.2	266	1.9	5 509	2.2	14 617	2.4
Ripley -----	475	1.6	37 167	1.5	1 229 423	1.5	400	1.7	9 498	2.4	21 288	2.3
Rush -----	574	2.4	78 076	1.7	3 520 168	1.7	233	2.4	6 552	2.2	18 951	2.2
St. Joseph -----	443	1.5	51 170	1.2	1 883 636	1.3	255	1.8	7 285	1.9	20 731	1.8
Scott -----	158	1.9	17 368	1.8	593 826	1.8	166	1.9	3 642	2.5	8 755	2.7
Shelby -----	508	1.7	75 556	1.3	3 365 722	1.2	227	2.1	4 805	2.6	13 340	2.9
Spencer -----	344	2.0	46 783	1.3	1 765 539	1.3	358	1.8	12 715	2.1	25 634	2.3
Starke -----	185	2.0	21 122	1.6	657 109	1.6	80	3.4	2 229	4.7	4 008	4.5
Steuben -----	254	2.1	21 128	2.0	777 854	2.0	234	2.1	9 887	2.6	24 389	2.8
Sullivan -----	338	1.5	61 209	1.0	2 470 922	.9	152	2.2	4 557	3.1	9 662	2.8
Switzerland -----	81	3.4	5 757	3.5	216 147	3.3	344	1.9	9 314	3.3	20 729	3.4
Tippecanoe -----	482	1.2	89 510	.7	3 840 162	.7	244	1.8	5 585	1.7	16 661	2.0
Tipton -----	349	1.1	66 817	.7	3 067 907	.7	63	3.5	1 415	5.8	3 832	4.9
Union -----	174	2.1	18 689	1.9	872 148	1.8	112	2.5	2 439	2.6	6 626	3.0
Vanderburgh -----	189	1.7	27 948	1.4	1 090 406	1.3	76	3.1	1 391	3.4	4 361	3.4
Vermillion -----	200	1.4	36 673	1.0	1 552 923	1.0	117	2.2	2 537	2.2	5 808	2.3
Vigo -----	328	1.4	51 635	1.1	1 906 215	1.1	167	2.0	3 331	2.9	7 103	3.1
Wabash -----	516	1.3	68 431	1.0	2 884 962	.9	248	1.7	6 500	1.9	17 132	1.9
Warren -----	285	1.2	74 813	.8	3 188 758	.7	145	1.9	4 076	2.2	10 192	2.5
Warwick -----	210	1.8	30 722	1.8	1 209 561	1.7	143	2.1	4 261	4.7	8 729	3.4
Washington -----	223	2.0	22 047	1.6	895 858	1.6	559	1.4	21 280	1.7	48 070	1.9
Wayne -----	487	1.5	51 014	1.2	2 196 326	1.2	366	1.7	9 327	1.7	24 842	1.8
Wells -----	592	1.1	93 147	1.0	3 884 342	1.0	148	2.1	4 089	3.2	12 397	3.2
White -----	515	1.4	100 210	.9	4 601 650	.9	183	2.0	4 635	2.0	13 583	1.8
Whitley -----	467	1.3	51 462	1.0	2 041 094	1.0	284	1.7	8 243	1.8	22 472	1.7

Selected crops harvested —Con.

Vegetables harvested for sale (see text)

Geographic area	Farms			Acres			Relative standard error of estimate (percent)		
	Number	Relative standard error of estimate (percent)		Number	Relative standard error of estimate (percent)		Number	Relative standard error of estimate (percent)	
		1	302		1.3	7.7		33 860	1.0
Indiana -----	19			73			73		15.0
Adams -----	25			624			624		4.0
Allen -----	29			749			749		3.0
Bartholomew -----	8			189			189		13.5

See footnotes at end of table.

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.			
	Vegetables harvested for sale (see text)			
	Farms		Acres	
	Number	Relative standard error of estimate (percent)	Number	Relative standard error of estimate (percent)
Blackford -----	4	14.3	(D)	(D)
Boone -----	5	12.0	20	15.6
Brown -----	4	11.6	54	12.6
Carroll -----	8	10.1	62	14.8
Cass -----	18	6.5	1 187	1.3
Clark -----	34	4.5	814	3.6
Clay -----	5	10.7	13	8.7
Clinton -----	5	9.4	180	6.0
Crawford -----	11	7.9	19	10.1
Daviess -----	34	4.9	714	7.5
Dearborn -----	10	9.5	69	16.8
Decatur -----	9	10.1	107	16.9
De Kalb -----	13	7.8	93	12.9
Delaware -----	15	5.5	642	1.4
Dubois -----	1	25.6	(D)	(D)
Elkhart -----	56	3.9	1 034	4.1
Fayette -----	4	17.4	39	29.9
Floyd -----	29	4.9	304	7.3
Fountain -----	3	20.3	(D)	(D)
Franklin -----	11	9.6	80	13.5
Fulton -----	4	10.4	53	14.3
Gibson -----	38	3.9	1 140	4.4
Grant -----	8	7.6	610	.1
Greene -----	9	11.1	18	17.0
Hamilton -----	17	8.0	128	10.3
Hancock -----	16	8.4	74	10.0
Harrison -----	18	6.4	66	14.1
Hendricks -----	12	9.9	66	6.0
Henry -----	16	6.5	486	1.2
Howard -----	17	6.7	908	.6
Huntington -----	6	7.6	(D)	(D)
Jackson -----	53	4.6	1 480	6.4
Jasper -----	17	7.1	709	12.3
Jay -----	8	10.3	(D)	(D)
Jefferson -----	16	7.6	137	3.3
Jennings -----	6	13.9	11	15.4
Johnson -----	21	7.5	187	13.5
Knox -----	83	3.0	4 899	2.4
Kosciusko -----	21	4.1	944	.9
Lagrange -----	22	6.0	262	4.0
Lake -----	34	5.2	1 347	5.3
La Porte -----	29	5.3	1 684	.5
Lawrence -----	10	8.9	(D)	(D)
Madison -----	22	5.4	1 617	.3
Marion -----	26	5.9	466	4.9
Marshall -----	21	6.7	168	7.1
Martin -----	2	22.5	(D)	(D)
Miami -----	4	12.0	8	9.5
Monroe -----	9	10.6	18	15.0
Montgomery -----	5	15.6	23	24.6
Morgan -----	11	9.5	108	15.1
Newton -----	11	7.7	687	4.2
Noble -----	20	6.8	147	4.9
Ohio -----	2	18.8	(D)	(D)
Orange -----	11	9.6	27	12.9
Owen -----	6	12.5	18	14.1
Parke -----	7	11.1	29	15.6
Perry -----	1	33.3	(D)	(D)
Pike -----	4	8.8	40	15.5
Porter -----	14	6.3	758	3.6
Posey -----	8	8.7	120	2.8
Pulaski -----	3	19.0	6	19.6
Putnam -----	11	8.8	95	16.6
Randolph -----	10	10.2	262	7.7
Ripley -----	14	8.4	54	10.4
Rush -----	5	12.1	(D)	(D)
St. Joseph -----	31	5.5	931	1.8
Scott -----	9	9.5	31	14.7
Shelby -----	5	14.2	(D)	(D)
Spencer -----	6	11.0	14	12.6
Starke -----	12	9.2	240	4.5
Steuben -----	9	10.4	135	13.8
Sullivan -----	39	5.0	1 646	6.5
Switzerland -----	2	19.8	(D)	(D)
Tippecanoe -----	12	8.6	74	8.3
Tipton -----	7	10.8	794	1.2
Union -----	1	29.4	(D)	(D)
Vanderburgh -----	12	8.2	138	20.5
Vermillion -----	2	15.8	(D)	(D)
Vigo -----	13	8.0	82	8.9

See footnotes at end of table.

## C-32 APPENDIX C

## 1992 CENSUS OF AGRICULTURE

**Table F. Reliability Estimates for the State and County Totals: 1992 —Con.**

[For meaning of abbreviations and symbols, see introductory text]

Geographic area	Selected crops harvested —Con.				
	Vegetables harvested for sale (see text)				
	Farms		Acres		
	Number	Relative standard error of estimate (percent)	Number		Relative standard error of estimate (percent)
Wabash-----	12	6.4	112		10.6
Warren -----	11	7.2	288		6.3
Warrick -----	4	7.0	(D)		(D)
Washington -----	16	9.0	116		11.8
Wayne-----	12	9.2	53		16.8
Wells -----	6	7.2	249		.1
White -----	7	9.9	46		14.1
Whitley -----	6	13.7	16		16.4

<sup>1</sup>Data are based on a sample of farms.

**Table G. State Estimates of the Not on the Mail List Component of Farm Coverage Error:  
1992**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text]

Item	Census published farms		Not on mail list <sup>1</sup>		Percent not on mail list <sup>1</sup>	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (percent)	Standard error of percent
Farms ----- number	62 778	1.1	5 658	23.4	8.3	1.7
Land in farms ----- acres	15 618 831	.9	199 142	23.2	1.3	.3
Average size of farm ----- acres	248.8	.4	35.2	18.7	(X)	(X)
Farms by size:						
Less than 10 acres -----	5 141	1.3	1 153	39.9	18.3	6.0
10 to 49 acres -----	14 234	1.2	3 260	33.5	18.6	4.9
Less than 50 acres -----	19 375	1.2	4 413	28.2	18.6	4.2
50 acres or more -----	43 403	1.3	1 245	31.3	2.8	.9
50 to 99 acres -----	11 200	1.2	947	37.2	7.8	2.7
100 to 179 acres -----	10 068	1.5	172	85.1	1.7	1.4
180 acres or more -----	22 135	1.2	126	58.2	.6	.3
Harvested cropland ----- farms	54 252	1.2	3 995	26.5	6.9	1.7
acres	11 834 675	.8	87 729	31.7	.7	.2
Farms by value of sales:						
Less than \$1,000 -----	4 880	1.3	2 312	40.9	32.1	8.9
\$1,000 to \$2,499 -----	6 309	1.3	1 805	33.7	22.2	5.8
Less than \$2,500 -----	11 189	1.3	4 117	29.8	26.9	5.8
\$2,500 or more -----	51 589	1.2	1 541	27.1	2.9	.8
\$2,500 to \$9,999 -----	14 901	1.2	1 044	32.9	6.5	2.0
\$10,000 or more -----	36 688	1.4	497	46.8	1.3	.6
Market value of agricultural products sold    ---\$1,000 ---	4 633 090	.6	34 811	45.0	.7	.3
Farms by standard industrial classification:						
Crops (01) -----	38 426	1.2	3 585	28.8	8.5	2.2
Livestock (02) -----	24 352	1.1	2 074	28.5	7.8	2.1
Farms by type of organization:						
Individual or family -----	53 105	1.1	5 350	24.4	9.2	2.0
Partnership or corporation -----	9 343	1.4	243	57.6	2.5	1.4
Other -----	330	2.0	65	101.6	16.5	13.9
Farms by tenure of operator:						
Full owners -----	35 868	1.1	4 349	23.3	10.8	2.3
Part owners and tenants -----	26 910	1.2	1 309	56.0	4.6	2.4
Part owners -----	20 504	1.1	1 120	64.4	5.2	3.1
Tenants -----	6 406	1.9	190	73.4	2.9	2.1
Operators by place of residence:						
On farm operated -----	48 049	1.1	4 858	25.2	9.2	2.1
Not on farm operated -----	10 715	1.5	623	42.6	5.5	2.2
Not reported -----	4 014	1.2	177	70.9	4.2	2.9
Operators by principal occupation:						
Farming -----	31 547	1.1	720	40.4	2.2	.9
Other -----	31 231	1.2	4 503	26.3	12.6	2.9
Operators by sex:						
Male -----	59 671	1.2	5 204	24.0	8.0	1.7
Female -----	3 107	1.3	454	65.8	12.8	7.3
Operators by race:						
White -----	62 625	1.1	5 223	24.3	7.7	1.7
Black and other races -----	153	2.9	-	(X)	(X)	(X)
Operators by years on present farm:						
4 years or less -----	6 714	1.9	2 759	33.3	29.1	6.8
5 years or more -----	45 952	1.1	1 939	33.7	4.0	1.3
Average years on present farm -----	20.6	1.5	6.9	33.4	(X)	(X)
Not reported -----	10 112	1.2	960	36.9	8.7	2.9
Average age of operator -----	51.6	.1	42.9	21.8	(X)	(X)

NOTE: These estimates do not account for incorrectly classified farms or farms appearing more than once in the census and are subject to change in the 1992 Coverage Evaluation publication. See appendix C text for further explanation.

<sup>1</sup>Estimates are based on a sample survey conducted independently of census data collection.